GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: March 8, 2005, 20:36:07 ; Search time 50 Seconds
(without alignments)
791.280 Million cell updates/sec

Title: US-08-906-365-2
Perfect score: 2805
Sequence: 1 MDIKNSPSSLNSPSSYNCSQ.....ECSPAEDSKSKEGSQNPQSQ 530

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	2805	100.0	530	4	US-09-608-088-25	Sequence 25, Appl
2	2805	100.0	530	4	US-09-711-288-25	Sequence 25, Appl
3	2805	100.0	530	4	US-09-768-185A-3	Sequence 3, Appli
4	2805	100.0	548	3	US-09-139-617-1	Sequence 1, Appli
5	2805	100.0	548	4	US-09-561-741A-1	Sequence 1, Appli
6	2805	100.0	548	4	US-09-558-795-1	Sequence 1, Appli
7	2805	100.0	551	4	US-09-949-016-7434	Sequence 7434, Ap
8	2554	91.1	485	2	US-08-836-620A-3	Sequence 3, Appli
9	2522	89.9	477	4	US-09-608-088-5	Sequence 5, Appli
10	2522	89.9	477	4	US-09-711-288-5	Sequence 5, Appli
11	2291	81.7	485	2	US-08-836-620A-2	Sequence 2, Appli
12	2286	81.5	484	2	US-08-836-620A-13	Sequence 13, Appl
13	2267	80.8	485	2	US-08-836-620A-5	Sequence 5, Appli
14	2262	80.6	484	2	US-08-836-620A-14	Sequence 14, Appl
15	2198	78.4	416	4	US-09-608-088-6	Sequence 6, Appli
16	2198	78.4	416	4	US-09-711-288-6	Sequence 6, Appli
17	2198	78.4	418	4	US-09-608-088-21	Sequence 21, Appl
18	2198	78.4	418	4	US-09-711-288-21	Sequence 21, Appl
19	2017	71.9	384	2	US-08-836-620A-15	Sequence 15, Appl
20	1233.5	44.0	595	3	US-08-764-870-12	Sequence 12, Appl
21	1233.5	44.0	595	3	US-08-980-115-12	Sequence 12, Appl
22	1224.5	43.7	595	3	US-09-041-886-35	Sequence 35, Appl
23	1224.5	43.7	595	4	US-08-453-998-2	Sequence 2, Appli
24	1224.5	43.7	595	4	US-09-949-016-5889	Sequence 5889, Ap
25	1224.5	43.7	595	4	US-10-052-092-9	Sequence 9, Appli
26	1224.5	43.7	595	4	US-10-052-092-13	Sequence 13, Appl
27	1224.5	43.7	595	4	US-10-052-092-14	Sequence 14, Appl
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29	1224.5	43.7	595	4	US-10-144-198-42	Sequence 42, Appl
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31	1219.5	43.5	595	4	US-10-052-092-31	Sequence 31, Appl
32	1219	43.5	595	4	US-10-052-092-30	Sequence 30, Appl
33	1214.5	43.3	596	2	US-08-836-620A-16	Sequence 16, Appl
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35	1181	42.1	233	4	US-09-608-088-4	Sequence 4, Appli
36	1181	42.1	233	4	US-09-711-288-4	Sequence 4, Appli
37	1174.5	41.9	701	4	US-10-052-092-12	Sequence 12, Appl
38	1160	41.4	410	6	5223606-5	Patent No. 5223606
39	1160	41.4	410	6	5223606-5	Patent No. 5223606
40	1126.5	40.2	229	3	US-09-249-645-1	Sequence 1, Appli
41	1111.5	39.6	229	4	US-09-844-132B-1	Sequence 1, Appli
42	1064	37.9	228	3	US-09-249-645-2	Sequence 2, Appli
43	1064	37.9	228	4	US-09-844-132B-2	Sequence 2, Appli
44	1055	37.6	226	2	US-08-836-620A-7	Sequence 7, Appli
45	810	28.9	773	3	US-08-564-264-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1
US-09-608-088-25
; Sequence 25, Application US/09608088
; Patent No. 6680368
; GENERAL INFORMATION:
; APPLICANT: Mosselman, Sietse
; APPLICANT: Dijkema, Rein
; TITLE OF INVENTION: No. 6680368el Estrogen Receptor
; FILE REFERENCE: O/96193 US/D1
; CURRENT APPLICATION NUMBER: US/09/608,088
; CURRENT FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 08/826,361
; PRIOR FILING DATE: 1997-03-26
; PRIOR APPLICATION NUMBER: EP 96203284.3
; PRIOR FILING DATE: 1996-11-22
; PRIOR APPLICATION NUMBER: EP 96200820.7
; PRIOR FILING DATE: 1996-03-26
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 25
; LENGTH: 530
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-608-088-25

Query Match 100.0%; Score 2805; DB 4; Length 530;
Best Local Similarity 100.0%; Pred. No. 1.5e-291;
Matches 530; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy        181 NDYICPATNQCTIDKNRRKSCQACRLRKCYEVGMVKCGSRRERCGYRLVRRQRSADEQLH 240
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RESULT 2
US-09-711-288-25
; Sequence 25, Application US/09711288
; Patent No. 6713270
; GENERAL INFORMATION:
; APPLICANT: Mosselman, Sietse
; APPLICANT: Dijkema, Rein
; TITLE OF INVENTION: No. 6713270el Estrogen Receptor
; FILE REFERENCE: O/96193 US/D2
; CURRENT APPLICATION NUMBER: US/09/711,288
; CURRENT FILING DATE: 2000-11-13
; PRIOR APPLICATION NUMBER: US 08/826,361
; PRIOR FILING DATE: 1997-03-26
; PRIOR APPLICATION NUMBER: EP 96203284.3
; PRIOR FILING DATE: 1996-11-22
; PRIOR APPLICATION NUMBER: EP 96200820.7
; PRIOR FILING DATE: 1996-03-26
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 25
; LENGTH: 530
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-711-288-25

Query Match 100.0%; Score 2805; DB 4; Length 530;
Best Local Similarity 100.0%; Pred. No. 1.5e-291;
Matches 530; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy         61 NVTNLEGGPGRQTTSPNVLWPTPGHLSPLVVHRQLSHLYAEPQKSPWCEARSLEHTLPVN 120
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RESULT 3
US-09-768-185A-3
; Sequence 3, Application US/09768185A
; Patent No. 6818758
; GENERAL INFORMATION:
; APPLICANT: Cassel, Michael et al
; TITLE OF INVENTION: Estrogen receptor beta variants and
; TITLE OF INVENTION: methods of detection thereof
; FILE REFERENCE: CL000280
; CURRENT APPLICATION NUMBER: US/09/768,185A
; CURRENT FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: 09768185
; PRIOR FILING DATE: 2001-01-24
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 530
; TYPE: PRT
; ORGANISM: Human
US-09-768-185A-3

Query Match 100.0%; Score 2805; DB 4; Length 530;
Best Local Similarity 100.0%; Pred. No. 1.5e-291;
Matches 530; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy         61 NVTNLEGGPGRQTTSPNVLWPTPGHLSPLVVHRQLSHLYAEPQKSPWCEARSLEHTLPVN 120
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RESULT 4
US-09-139-617-1

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 ; Sequence 1, Application US/09139617
 ; Patent No. 6222015
 ; GENERAL INFORMATION:
 ;  APPLICANT: WILKINSON, HILARY
 ;  TITLE OF INVENTION: ESTROGEN RECEPTOR
 ;  FILE REFERENCE: 20047Y
 ;  CURRENT APPLICATION NUMBER: US/09/139,617
 ;  CURRENT FILING DATE: 1998-08-25
 ;  EARLIER APPLICATION NUMBER: 60/058,271
 ;  EARLIER FILING DATE: 1997-09-08
 ;  EARLIER APPLICATION NUMBER: 60/060,520
 ;  EARLIER FILING DATE: 1997-09-30
 ;  NUMBER OF SEQ ID NOS: 22
 ;  SOFTWARE: FastSEQ for Windows Version 3.0
 ; SEQ ID NO 1
 ;   LENGTH: 548
 ;   TYPE: PRT
 ;   ORGANISM: HUMAN
 US-09-139-617-1

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   Best Local Similarity   100.0%;  Pred. No. 1.6e-291;
   Matches  530;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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 Qy         61 NVTNLEGGPGRQTTSPNVLWPTPGHLSPLVVHRQLSHLYAEPQKSPWCEARSLEHTLPVN 120
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 Qy        121 RETLKRKVSGNRCASPVTGPGSKRDAHFCAVCSDYASGYHYGVWSCEGCKAFFKRSIQGH 180
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 Qy        181 NDYICPATNQCTIDKNRRKSCQACRLRKCYEVGMVKCGSRRERCGYRLVRRQRSADEQLH 240
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 Qy        361 VLDRDEGKCVEGILEIFDMLLATTSRFRELKLQHKEYLCVKAMILLNSSMYPLVTATQDA 420
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 Qy        421 DSSRKLAHLLNAVTDALVWVIAKSGISSQQQSMRLANLLMLLSHVRHASNKGMEHLLNMK 480
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 RESULT 5
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 ; Sequence 1, Application US/09561741A
 ; Patent No. 6458551
 ; GENERAL INFORMATION:
 ;  APPLICANT: WILKINSON, HILARY
 ;  TITLE OF INVENTION: ESTROGEN RECEPTOR
 ;  FILE REFERENCE: 20047Y
 ;  CURRENT APPLICATION NUMBER: US/09/561,741A
 ;  CURRENT FILING DATE:  2000-04-26
 ;  PRIOR APPLICATION NUMBER: 09/139,617
 ;  PRIOR FILING DATE: 1998-08-25
 ;  PRIOR APPLICATION NUMBER: 60/058,271
 ;  PRIOR FILING DATE: 1997-09-08
 ;  PRIOR APPLICATION NUMBER: 60/060,520
 ;  PRIOR FILING DATE: 1997-09-30
 ;  NUMBER OF SEQ ID NOS: 22
 ;  SOFTWARE: FastSEQ for Windows Version 3.0
 ; SEQ ID NO 1
 ;   LENGTH: 548
 ;   TYPE: PRT
 ;   ORGANISM: HUMAN
 US-09-561-741A-1

   Query Match             100.0%;  Score 2805;  DB 4;  Length 548;
   Best Local Similarity   100.0%;  Pred. No. 1.6e-291;
   Matches  530;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

 Qy          1 MDIKNSPSSLNSPSSYNCSQSILPLEHGSIYIPSSYVDSHHEYPAMTFYSPAVMNYSIPS 60
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 Db        259 CAGKAKRSGGHAPRVRELLLDALSPEQLVLTLLEAEPPHVLISRPSAPFTEASMMMSLTK 318

 Qy        301 LADKELVHMISWAKKIPGFVELSLFDQVRLLESCWMEVLMMGLMWRSIDHPGKLIFAPDL 360
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Db        319 LADKELVHMISWAKKIPGFVELSLFDQVRLLESCWMEVLMMGLMWRSIDHPGKLIFAPDL 378

 Qy        361 VLDRDEGKCVEGILEIFDMLLATTSRFRELKLQHKEYLCVKAMILLNSSMYPLVTATQDA 420
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Db        379 VLDRDEGKCVEGILEIFDMLLATTSRFRELKLQHKEYLCVKAMILLNSSMYPLVTATQDA 438

 Qy        421 DSSRKLAHLLNAVTDALVWVIAKSGISSQQQSMRLANLLMLLSHVRHASNKGMEHLLNMK 480
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Db        439 DSSRKLAHLLNAVTDALVWVIAKSGISSQQQSMRLANLLMLLSHVRHASNKGMEHLLNMK 498

 Qy        481 CKNVVPVYDLLLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSQNPQSQ 530
               ||||||||||||||||||||||||||||||||||||||||||||||||||
 Db        499 CKNVVPVYDLLLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSQNPQSQ 548


 RESULT 6
 US-09-558-795-1
 ; Sequence 1, Application US/09558795
 ; Patent No. 6562592
 ; GENERAL INFORMATION:
 ;  APPLICANT: WILKINSON, HILARY
 ;  TITLE OF INVENTION: ESTROGEN RECEPTOR
 ;  FILE REFERENCE: 20047Y
 ;  CURRENT APPLICATION NUMBER: US/09/558,795
 ;  CURRENT FILING DATE:  2000-04-26
 ;  PRIOR APPLICATION NUMBER: 09/139,617
 ;  PRIOR FILING DATE: 1998-08-25
 ;  PRIOR APPLICATION NUMBER: 60/058,271
 ;  PRIOR FILING DATE: 1997-09-08
 ;  PRIOR APPLICATION NUMBER: 60/060,520
 ;  PRIOR FILING DATE: 1997-09-30
 ;  NUMBER OF SEQ ID NOS: 22
 ;  SOFTWARE: FastSEQ for Windows Version 3.0
 ; SEQ ID NO 1
 ;   LENGTH: 548
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;   TYPE: PRT
;   ORGANISM: HUMAN
US-09-558-795-1

  Query Match             100.0%;  Score 2805;  DB 4;  Length 548;
  Best Local Similarity   100.0%;  Pred. No. 1.6e-291;
  Matches  530;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MDIKNSPSSLNSPSSYNCSQSILPLEHGSIYIPSSYVDSHHEYPAMTFYSPAVMNYSIPS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         19 MDIKNSPSSLNSPSSYNCSQSILPLEHGSIYIPSSYVDSHHEYPAMTFYSPAVMNYSIPS 78

Qy         61 NVTNLEGGPGRQTTSPNVLWPTPGHLSPLVVHRQLSHLYAEPQKSPWCEARSLEHTLPVN 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         79 NVTNLEGGPGRQTTSPNVLWPTPGHLSPLVVHRQLSHLYAEPQKSPWCEARSLEHTLPVN 138

Qy        121 RETLKRKVSGNRCASPVTGPGSKRDAHFCAVCSDYASGYHYGVWSCEGCKAFFKRSIQGH 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        139 RETLKRKVSGNRCASPVTGPGSKRDAHFCAVCSDYASGYHYGVWSCEGCKAFFKRSIQGH 198

Qy        181 NDYICPATNQCTIDKNRRKSCQACRLRKCYEVGMVKCGSRRERCGYRLVRRQRSADEQLH 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        199 NDYICPATNQCTIDKNRRKSCQACRLRKCYEVGMVKCGSRRERCGYRLVRRQRSADEQLH 258

Qy        241 CAGKAKRSGGHAPRVRELLLDALSPEQLVLTLLEAEPPHVLISRPSAPFTEASMMMSLTK 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        259 CAGKAKRSGGHAPRVRELLLDALSPEQLVLTLLEAEPPHVLISRPSAPFTEASMMMSLTK 318

Qy        301 LADKELVHMISWAKKIPGFVELSLFDQVRLLESCWMEVLMMGLMWRSIDHPGKLIFAPDL 360
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        319 LADKELVHMISWAKKIPGFVELSLFDQVRLLESCWMEVLMMGLMWRSIDHPGKLIFAPDL 378

Qy        361 VLDRDEGKCVEGILEIFDMLLATTSRFRELKLQHKEYLCVKAMILLNSSMYPLVTATQDA 420
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        379 VLDRDEGKCVEGILEIFDMLLATTSRFRELKLQHKEYLCVKAMILLNSSMYPLVTATQDA 438

Qy        421 DSSRKLAHLLNAVTDALVWVIAKSGISSQQQSMRLANLLMLLSHVRHASNKGMEHLLNMK 480
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        439 DSSRKLAHLLNAVTDALVWVIAKSGISSQQQSMRLANLLMLLSHVRHASNKGMEHLLNMK 498

Qy        481 CKNVVPVYDLLLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSQNPQSQ 530
              ||||||||||||||||||||||||||||||||||||||||||||||||||
Db        499 CKNVVPVYDLLLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSQNPQSQ 548


RESULT 7
US-09-949-016-7434
; Sequence 7434, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
;  APPLICANT: VENTER, J. Craig et al.
;  TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;  TITLE OF INVENTION:  WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;  FILE REFERENCE: CL001307
;  CURRENT APPLICATION NUMBER: US/09/949,016
;  CURRENT FILING DATE:  2000-04-14
;  PRIOR APPLICATION NUMBER: 60/241,755
;  PRIOR FILING DATE: 2000-10-20
;  PRIOR APPLICATION NUMBER: 60/237,768
;  PRIOR FILING DATE: 2000-10-03
;  PRIOR APPLICATION NUMBER: 60/231,498
;  PRIOR FILING DATE: 2000-09-08
;  NUMBER OF SEQ ID NOS: 207012
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 7434
;   LENGTH: 551
;   TYPE: PRT
;   ORGANISM: Human
US-09-949-016-7434

  Query Match             100.0%;  Score 2805;  DB 4;  Length 551;
  Best Local Similarity   100.0%;  Pred. No. 1.6e-291;
  Matches  530;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MDIKNSPSSLNSPSSYNCSQSILPLEHGSIYIPSSYVDSHHEYPAMTFYSPAVMNYSIPS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         22 MDIKNSPSSLNSPSSYNCSQSILPLEHGSIYIPSSYVDSHHEYPAMTFYSPAVMNYSIPS 81

Qy         61 NVTNLEGGPGRQTTSPNVLWPTPGHLSPLVVHRQLSHLYAEPQKSPWCEARSLEHTLPVN 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         82 NVTNLEGGPGRQTTSPNVLWPTPGHLSPLVVHRQLSHLYAEPQKSPWCEARSLEHTLPVN 141

Qy        121 RETLKRKVSGNRCASPVTGPGSKRDAHFCAVCSDYASGYHYGVWSCEGCKAFFKRSIQGH 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        142 RETLKRKVSGNRCASPVTGPGSKRDAHFCAVCSDYASGYHYGVWSCEGCKAFFKRSIQGH 201

Qy        181 NDYICPATNQCTIDKNRRKSCQACRLRKCYEVGMVKCGSRRERCGYRLVRRQRSADEQLH 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        202 NDYICPATNQCTIDKNRRKSCQACRLRKCYEVGMVKCGSRRERCGYRLVRRQRSADEQLH 261

Qy        241 CAGKAKRSGGHAPRVRELLLDALSPEQLVLTLLEAEPPHVLISRPSAPFTEASMMMSLTK 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        262 CAGKAKRSGGHAPRVRELLLDALSPEQLVLTLLEAEPPHVLISRPSAPFTEASMMMSLTK 321

Qy        301 LADKELVHMISWAKKIPGFVELSLFDQVRLLESCWMEVLMMGLMWRSIDHPGKLIFAPDL 360
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        322 LADKELVHMISWAKKIPGFVELSLFDQVRLLESCWMEVLMMGLMWRSIDHPGKLIFAPDL 381

Qy        361 VLDRDEGKCVEGILEIFDMLLATTSRFRELKLQHKEYLCVKAMILLNSSMYPLVTATQDA 420
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        382 VLDRDEGKCVEGILEIFDMLLATTSRFRELKLQHKEYLCVKAMILLNSSMYPLVTATQDA 441

Qy        421 DSSRKLAHLLNAVTDALVWVIAKSGISSQQQSMRLANLLMLLSHVRHASNKGMEHLLNMK 480
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        442 DSSRKLAHLLNAVTDALVWVIAKSGISSQQQSMRLANLLMLLSHVRHASNKGMEHLLNMK 501

Qy        481 CKNVVPVYDLLLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSQNPQSQ 530
              ||||||||||||||||||||||||||||||||||||||||||||||||||
Db        502 CKNVVPVYDLLLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSQNPQSQ 551


RESULT 8
US-08-836-620A-3
; Sequence 3, Application US/08836620A
; Patent No. 5958710
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  Orphan receptor
;    NUMBER OF SEQUENCES:  19
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/836,620A
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/EP96/03933
;      FILING DATE:
;      APPLICATION NUMBER:  GB 9518272.1
;      FILING DATE:  08-SEP-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9605550.4
;      FILING DATE:  15-MAR-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9607532.0
;      FILING DATE:  11-APR-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9609576.5
;      FILING DATE:  08-MAY-1996
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  485 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
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; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
US-08-836-620A-3

Query Match 91.1%; Score 2554; DB 2; Length 485;
Best Local Similarity 99.8%; Pred. No. 1.1e-264;
Matches 484; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy          46 MTFYSPAVMNYSIPSNVTNLEGGPGRQTTSPNVLWPTPGHLSPLVVHRQLSHLYAEPQKS 105
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db           1 MTFYSPAVMNYSIPSNVTNLEGGPGRQTTSPNVLWPTPGHLSPLVVHRQLSHLYAEPQKS 60

Qy         106 PWCEARSLEHTLPVNRETLKRKVSGNRCASPVTGPGSKRDAHFCAVCSDYASGYHYGVWS 165
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          61 PWCEARSLEHTLPVNRETLKRKVSGNRCASPVTGPGSKRDAHFCAVCSDYASGYHYGVWS 120

Qy         166 CEGCKAFFKRSIQGHNDYICPATNQCTIDKNRRKSCQACRLRKCYEVGMVKCGSRRERCG 225
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         121 CEGCKAFFKRSIQGHNDYICPATNQCTIDKNRRKSCQACRLRKCYEVGMVKCGSRRERCG 180

Qy         226 YRLVRRQRSADEQLHCAGKAKRSGGHAPRVRELLLDALSPEQLVLTLLEAEPPHVLISRP 285
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         181 YRLVRRQRSADEQLHCAGKAKRSGGHAPRVRELLLDALSPEQLVLTLLEAEPPHVLISRP 240

Qy         286 SAPFTEASMMMSLTKLADKELVHMISWAKKIPGFVELSLFDQVRLLESCWMEVLMMGLMW 345
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         241 SAPFTEASMMMSLTKLADKELVHMISWAKKIPGFVELSLFDQVRLLESCWMEVLMMGLMW 300

Qy         346 RSIDHPGKLIFAPDLVLDRDEGKCVEGILEIFDMLLATTSRFRELKLQHKEYLCVKAMIL 405
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         301 RSIDHPGKLIFAPDLVLDRDEGKCVEGILEIFDMLLATTSRFRELKLQHKEYLCVKAMIL 360

Qy         406 LNSSMYPLVTATQDADSSRKLAHLLNAVTDALVWVIAKSGISSQQQSMRLANLLMLLSHV 465
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         361 LNSSMYPLVTATQDADSSRKLAHLLNAVTDALVWVIAKSGISSQQQSMRLANLLMLLSHV 420

Qy         466 RHASNKGMEHLLNMKCKNVVPVYDLLLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSQ 525
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         421 RHASNKGMEHLLNMKCKNVVPVYDLLLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSQ 480

Qy         526 NPQSQ 530
               | |||
Db         481 NLQSQ 485
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RESULT 9
US-09-608-088-5
; Sequence 5, Application US/09608088
; Patent No. 6680368
; GENERAL INFORMATION:
; APPLICANT: Mosselman, Sietse
; APPLICANT: Dijkema, Rein
; TITLE OF INVENTION: No. 6680368el Estrogen Receptor
; FILE REFERENCE: O/96193 US/D1
; CURRENT APPLICATION NUMBER: US/09/608,088
; CURRENT FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 08/826,361
; PRIOR FILING DATE: 1997-03-26
; PRIOR APPLICATION NUMBER: EP 96203284.3
; PRIOR FILING DATE: 1996-11-22
; PRIOR APPLICATION NUMBER: EP 96200820.7
; PRIOR FILING DATE: 1996-03-26
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5
; LENGTH: 477
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-608-088-5

Query Match 89.9%; Score 2522; DB 4; Length 477;
Best Local Similarity 100.0%; Pred. No. 2.9e-261;
Matches 477; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          54 MNYSIPSNVTNLEGGPGRQTTSPNVLWPTPGHLSPLVVHRQLSHLYAEPQKSPWCEARSL 113
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db           1 MNYSIPSNVTNLEGGPGRQTTSPNVLWPTPGHLSPLVVHRQLSHLYAEPQKSPWCEARSL 60

Qy         114 EHTLPVNRETLKRKVSGNRCASPVTGPGSKRDAHFCAVCSDYASGYHYGVWSCEGCKAFF 173
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          61 EHTLPVNRETLKRKVSGNRCASPVTGPGSKRDAHFCAVCSDYASGYHYGVWSCEGCKAFF 120

Qy         174 KRSIQGHNDYICPATNQCTIDKNRRKSCQACRLRKCYEVGMVKCGSRRERCGYRLVRRQR 233
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         121 KRSIQGHNDYICPATNQCTIDKNRRKSCQACRLRKCYEVGMVKCGSRRERCGYRLVRRQR 180

Qy         234 SADEQLHCAGKAKRSGGHAPRVRELLLDALSPEQLVLTLLEAEPPHVLISRPSAPFTEAS 293
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         181 SADEQLHCAGKAKRSGGHAPRVRELLLDALSPEQLVLTLLEAEPPHVLISRPSAPFTEAS 240

Qy         294 MMMSLTKLADKELVHMISWAKKIPGFVELSLFDQVRLLESCWMEVLMMGLMWRSIDHPGK 353
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         241 MMMSLTKLADKELVHMISWAKKIPGFVELSLFDQVRLLESCWMEVLMMGLMWRSIDHPGK 300

Qy         354 LIFAPDLVLDRDEGKCVEGILEIFDMLLATTSRFRELKLQHKEYLCVKAMILLNSSMYPL 413
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         301 LIFAPDLVLDRDEGKCVEGILEIFDMLLATTSRFRELKLQHKEYLCVKAMILLNSSMYPL 360

Qy         414 VTATQDADSSRKLAHLLNAVTDALVWVIAKSGISSQQQSMRLANLLMLLSHVRHASNKGM 473
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         361 VTATQDADSSRKLAHLLNAVTDALVWVIAKSGISSQQQSMRLANLLMLLSHVRHASNKGM 420

Qy         474 EHLLNMKCKNVVPVYDLLLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSQNPQSQ 530
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         421 EHLLNMKCKNVVPVYDLLLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSQNPQSQ 477
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RESULT 10
US-09-711-288-5
; Sequence 5, Application US/09711288
; Patent No. 6713270
; GENERAL INFORMATION:
; APPLICANT: Mosselman, Sietse
; APPLICANT: Dijkema, Rein
; TITLE OF INVENTION: No. 6713270el Estrogen Receptor
; FILE REFERENCE: O/96193 US/D2
; CURRENT APPLICATION NUMBER: US/09/711,288
; CURRENT FILING DATE: 2000-11-13
; PRIOR APPLICATION NUMBER: US 08/826,361
; PRIOR FILING DATE: 1997-03-26
; PRIOR APPLICATION NUMBER: EP 96203284.3
; PRIOR FILING DATE: 1996-11-22
; PRIOR APPLICATION NUMBER: EP 96200820.7
; PRIOR FILING DATE: 1996-03-26
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5
; LENGTH: 477
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-711-288-5

Query Match 89.9%; Score 2522; DB 4; Length 477;
Best Local Similarity 100.0%; Pred. No. 2.9e-261;
Matches 477; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          54 MNYSIPSNVTNLEGGPGRQTTSPNVLWPTPGHLSPLVVHRQLSHLYAEPQKSPWCEARSL 113
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db           1 MNYSIPSNVTNLEGGPGRQTTSPNVLWPTPGHLSPLVVHRQLSHLYAEPQKSPWCEARSL 60

Qy         114 EHTLPVNRETLKRKVSGNRCASPVTGPGSKRDAHFCAVCSDYASGYHYGVWSCEGCKAFF 173
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          61 EHTLPVNRETLKRKVSGNRCASPVTGPGSKRDAHFCAVCSDYASGYHYGVWSCEGCKAFF 120

Qy         174 KRSIQGHNDYICPATNQCTIDKNRRKSCQACRLRKCYEVGMVKCGSRRERCGYRLVRRQR 233
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Db        121 KRSIQGHNDYICPATNQCTIDKNRRKSCQACRLRKCYEVGMVKCGSRRERCGYRLVRRQR 180

Qy        234 SADEQLHCAGKAKRSGGHAPRVRELLLDALSPEQLVLTLLEAEPPHVLISRPSAPFTEAS 293
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 SADEQLHCAGKAKRSGGHAPRVRELLLDALSPEQLVLTLLEAEPPHVLISRPSAPFTEAS 240

Qy        294 MMMSLTKLADKELVHMISWAKKIPGFVELSLFDQVRLLESCWMEVLMMGLMWRSIDHPGK 353
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 MMMSLTKLADKELVHMISWAKKIPGFVELSLFDQVRLLESCWMEVLMMGLMWRSIDHPGK 300

Qy        354 LIFAPDLVLDRDEGKCVEGILEIFDMLLATTSRFRELKLQHKEYLCVKAMILLNSSMYPL 413
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 LIFAPDLVLDRDEGKCVEGILEIFDMLLATTSRFRELKLQHKEYLCVKAMILLNSSMYPL 360

Qy        414 VTATQDADSSRKLAHLLNAVTDALVWVIAKSGISSQQQSMRLANLLMLLSHVRHASNKGM 473
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        361 VTATQDADSSRKLAHLLNAVTDALVWVIAKSGISSQQQSMRLANLLMLLSHVRHASNKGM 420

Qy        474 EHLLNMKCKNVVPVYDLLLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSQNPQSQ 530
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        421 EHLLNMKCKNVVPVYDLLLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSQNPQSQ 477


RESULT 11
US-08-836-620A-2
; Sequence 2, Application US/08836620A
; Patent No. 5958710
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  Orphan receptor
;    NUMBER OF SEQUENCES:  19
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/836,620A
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/EP96/03933
;      FILING DATE:
;      APPLICATION NUMBER:  GB 9518272.1
;      FILING DATE:  08-SEP-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9605550.4
;      FILING DATE:  15-MAR-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9607532.0
;      FILING DATE:  11-APR-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9609576.5
;      FILING DATE:  08-MAY-1996
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  485 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    ORIGINAL SOURCE:
;      ORGANISM:  Rattus rattus
US-08-836-620A-2

  Query Match             81.7%;  Score 2291;  DB 2;  Length 485;
  Best Local Similarity   88.7%;  Pred. No. 1.8e-236;
  Matches  430;  Conservative   23;  Mismatches   32;  Indels    0;  Gaps    0;

Qy         46 MTFYSPAVMNYSIPSNVTNLEGGPGRQTTSPNVLWPTPGHLSPLVVHRQLSHLYAEPQKS 105
              |||||||||||:| : :||:||| | :|||||||||| ||||||  | | | ||||||||
Db          1 MTFYSPAVMNYSVPGSTSNLDGGPVRLSTSPNVLWPTSGHLSPLATHCQSSLLYAEPQKS 60

Qy        106 PWCEARSLEHTLPVNRETLKRKVSGNRCASPVTGPGSKRDAHFCAVCSDYASGYHYGVWS 165
              ||||||||||||||||||:||: |||||| | :|||||| ||||||||||||||||
Db         61 PWCEARSLEHTLPVNRETLKRKLSGSSCASPVTSPNAKRDAHFCPVCSDYASGYHYGVWS 120

Qy        166 CEGCKAFFKRSIQGHNDYICPATNQCTIDKNRRKSCQACRLRKCYEVGMVKCGSRRERCG 225
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CEGCKAFFKRSIQGHNDYICPATNQCTIDKNRRKSCQACRLRKCYEVGMVKCGSRRERCG 180

Qy        226 YRLVRRQRSADEQLHCAGKAKRSGGHAPRVRELLLDALSPEQLVLTLLEAEPPHVLISRP 285
              ||:||||||: ||:||  ||||:||||||:||||  |||||||||||||||:||:|||
Db        181 YRIVRRQRSSSEQVHCLSKAKRNGGHAPRVKELLLSTLSPEQLVLTLLEAEPPNVLVSRP 240

Qy        286 SAPPTEASMMMSLTKLADKELVHMISWAKKIPGFVELSLFDQVRLLESCWMEVLMMGLMW 345
              | |||||||||||||||||||| |||||||||||| |||||||||||||:||||
Db        241 SMPPTEASMMMSLTKLADKELVHMIGWAKKIPGFVELSLLDQVRLLESCWMEVLMVGLMW 300

Qy        346 RSIDHPGKLIFAPDLVLDRDEGKCVEGILEIFDMLLATTSRFRELKLQHKEYLCVKAMIL 405
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 RSIDHPGKLIFAPDLVLDRDEGKCVEGILEIFDMLLATTSRFRELKLQHKEYLCVKAMIL 360

Qy        406 LNSSMYPLVTATQDADSSRKLAHLLNAVTDALVWVIAKSGISSQQQSMRLANLLMLLSHV 465
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Db        361 LNSSMYPLASANQEAESSRKLTHLLNAVTDALVWVIAKSGISSQQQSVRLANLLMLLSHV 420

Qy        466 RHASNKGMEHLLNMKCKNVVPVYDLLLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSQ 525
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Db        421 RHISNKGMEHLLSMKCKNVVPVYDLLLEMLNAHTLRGYKSSISGSECSSTEDSKNKESSQ 480

Qy        526 NPQSQ 530
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Db        481 NLQSQ 485


RESULT 12
US-08-836-620A-13
; Sequence 13, Application US/08836620A
; Patent No. 5958710
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  Orphan receptor
;    NUMBER OF SEQUENCES:  19
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/836,620A
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/EP96/03933
;      FILING DATE:
;      APPLICATION NUMBER:  GB 9518272.1
;      FILING DATE:  08-SEP-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9605550.4
;      FILING DATE:  15-MAR-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9607532.0
;      FILING DATE:  11-APR-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9609576.5
;      FILING DATE:  08-MAY-1996
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  484 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    ORIGINAL SOURCE:
;      ORGANISM:  Rattus rattus
US-08-836-620A-13

  Query Match             81.5%;  Score 2286;  DB 2;  Length 484;
  Best Local Similarity   88.6%;  Pred. No. 6e-236;
  Matches  429;  Conservative   23;  Mismatches   32;  Indels    0;  Gaps    0;
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Qy          46 MTFYSPAVMNYSIPSNVTNLEGGPGRQTTSPNVLWPTPGHLSPLVVHRQLSHLYAEPQKS 105
               ||||||||||||:| : :||:||| | :||||||||| ||||||  | | | ||||||||
Db           1 MTFYSPAVMNYSVPGSTSNLDGGPVRLSTSPNVLWPTSGHLSPLATHCQSSLLYAEPQKS 60

Qy         106 PWCEARSLEHTLPVNRETLKRKVSGNRCASPVTGPGSKRDAHFCAVCSDYASGYHYGVWS 165
               ||||||||||||||||||||||:||: |||||| | :|||||||||||||||||||||||
Db          61 PWCEARSLEHTLPVNRETLKRKLSGSSCASPVTSPNAKRDAHFCPVCSDYASGYHYGVWS 120

Qy         166 CEGCKAFFKRSIQGHNDYICPATNQCTIDKNRRKSCQACRLRKCYEVGMVKCGSRRERCG 225
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         121 CEGCKAFFKRSIQGHNDYICPATNQCTIDKNRRKSCQACRLRKCYEVGMVKCGSRRERCG 180

Qy         226 YRLVRRQRSADEQLHCAGKAKRSGGHAPRVRELLLDALSPEQLVLTLLEAEPPHVLISRP 285
               ||:||||||: ||:||  ||||:|||||||:|||| ||||||||||||||:||:|||
Db         181 YRIVRRQRSSSEQVHCLSKAKRNGGHAPRVKELLLSTLSPEQLVLTLLEAEPPNVLVSRP 240

Qy         286 SAPFTEASMMMSLTKLADKELVHMISWAKKIPGFVELSLFDQVRLLESCWMEVLMMGLMW 345
               | |||||||||||||||||||||| |||||||||||| ||||||||||||||:||||
Db         241 SMPFTEASMMMSLTKLADKELVHMIGWAKKIPGFVELSLLDQVRLLESCWMEVLMVGLMW 300

Qy         346 RSIDHPGKLIFAPDLVLDRDEGKCVEGILEIFDMLLATTSRFRELKLQHKEYLCVKAMIL 405
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         301 RSIDHPGKLIFAPDLVLDRDEGKCVEGILEIFDMLLATTSRFRELKLQHKEYLCVKAMIL 360

Qy         406 LNSSMYPLVTATQDADSSRKLAHLLNAVTDALVWVIAKSGISSQQQSMRLANLLMLLSHV 465
               |||||||| :| |:|:|||| |||||||||||||||||||||:|||||||||||
Db         361 LNSSMYPLASANQEAESSRKLTHLLNAVTDALVWVIAKSGISSQQQSVRLANLLMLLSHV 420

Qy         466 RHASNKGMEHLLNMKCKNVVPVYDLLLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSQ 525
               || |||||||||:|||||||||||||||||| ||| ||||:|||||  ||||:|| ||
Db         421 RHISNKGMEHLLSMKCKNVVPVYDLLLEMLNAHTLRGYKSSISGSECSSTEDSKNKESSQ 480

Qy         526 NPQS 529
               | ||
Db         481 NLQS 484


RESULT 13
US-08-836-620A-5
; Sequence 5, Application US/08836620A
; Patent No. 5958710
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  Orphan receptor
;    NUMBER OF SEQUENCES:  19
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/836,620A
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/EP96/03933
;      FILING DATE:
;      APPLICATION NUMBER:  GB 9518272.1
;      FILING DATE:  08-SEP-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9605550.4
;      FILING DATE:  15-MAR-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9607532.0
;      FILING DATE:  11-APR-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9609576.5
;      FILING DATE:  08-MAY-1996
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  485 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    ORIGINAL SOURCE:
;      ORGANISM:  Mus musculus
US-08-836-620A-5

  Query Match             80.8%;  Score 2267;  DB 2;  Length 485;
  Best Local Similarity   88.0%;  Pred. No. 6.6e-234;
  Matches  427;  Conservative   23;  Mismatches   35;  Indels    0;  Gaps    0;

Qy          46 MTFYSPAVMNYSIPSNVTNLEGGPGRQTTSPNVLWPTPGHLSPLVVHRQLSHLYAEPQKS 105
               | ||||||||||:||:  |||||| ||| |||||||| ||||||  | | | ||||||||
Db           1 MAFYSPAVMNYSVPSSTGNLEGGPVRQTASPNVLWPTSGHLSPLATHCQSSLLYAEPQKS 60

Qy         106 PWCEARSLEHTLPVNRETLKRKVSGNRCASPVTGPGSKRDAHFCAVCSDYASGYHYGVWS 165
               ||||||||||||||||||||||: |: |||||| | :|||||||||||||||||||||||
Db          61 PWCEARSLEHTLPVNRETLKRKLGGSGCASPVTSPSTKRDAHFCAVCSDYASGYHYGVWS 120

Qy         166 CEGCKAFFKRSIQGHNDYICPATNQCTIDKNRRKSCQACRLRKCYEVGMVKCGSRRERCG 225
               ||||||||||||||||||||||||||||||||||||:|||||||||||||||||||||||
Db         121 CEGCKAFFKRSIQGHNDYICPATNQCTIDKNRRKNCQACRLRKCYEVGMVKCGSRRERCG 180

Qy         226 YRLVRRQRSADEQLHCAGKAKRSGGHAPRVRELLLDALSPEQLVLTLLEAEPPHVLISRP 285
               ||:|||||| ||:||  ||||: || |||:||||::||||||||||||||:||:|||
Db         181 YRIVRRQRSASEQVHCLNKAKRTSGHTPRVKELLLNSLSPEQLVLTLLEAEPPNVLVSRP 240

Qy         286 SAPFTEASMMMSLTKLADKELVHMISWAKKIPGFVELSLFDQVRLLESCWMEVLMMGLMW 345
               | |||||||||||||||||||| ||||||||||||| ||||||||||||||:||||
Db         241 SMPFTEASMMMSLTKLADKELVHMIGWAKKIPGFVELSLLDQVRLLESCWMEVLMVGLMW 300

Qy         346 RSIDHPGKLIFAPDLVLDRDEGKCVEGILEIFDMLLATTSRFRELKLQHKEYLCVKAMIL 405
               ||||||||||||||||||||||||||||||||||||||||:|||||||||||||||||||
Db         301 RSIDHPGKLIFAPDLVLDRDEGKCVEGILEIFDMLLATTARFRELKLQHKEYLCVKAMIL 360

Qy         406 LNSSMYPLVTATQDADSSRKLAHLLNAVTDALVWVIAKSGISSQQQSMRLANLLMLLSHV 465
               |||||| | ||:|:|:||||| |||||||||||||:|| |||||||:||||||||||
Db         361 LNSSMYHLATASQEAESSRKLTHLLNAVTDALVWVISKSRISSQQQSVRLANLLMLLSHV 420

Qy         466 RHASNKGMEHLLNMKCKNVVPVYDLLLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSQ 525
               || |||||||||:|||||||||||||||||| ||| ||||:|| |   ||||||||||
Db         421 RHISNKGMEHLLSMKCKNVVPVYDLLLEMLNAHTLRGYKSSISGSGCCSTEDSKSKEGSQ 480

Qy         526 NPQSQ 530
               | |||
Db         481 NLQSQ 485


RESULT 14
US-08-836-620A-14
; Sequence 14, Application US/08836620A
; Patent No. 5958710
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  Orphan receptor
;    NUMBER OF SEQUENCES:  19
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/836,620A
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/EP96/03933
;      FILING DATE:
;      APPLICATION NUMBER:  GB 9518272.1
;      FILING DATE:  08-SEP-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9605550.4
;      FILING DATE:  15-MAR-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9607532.0
;      FILING DATE:  11-APR-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9609576.5
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;      FILING DATE:  08-MAY-1996
;  INFORMATION FOR SEQ ID NO:  14:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  484 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    ORIGINAL SOURCE:
;      ORGANISM:  Mus musculus
US-08-836-620A-14

  Query Match             80.6%;  Score 2262;  DB 2;  Length 484;
  Best Local Similarity   88.0%;  Pred. No. 2.3e-233;
  Matches  426;  Conservative   23;  Mismatches   35;  Indels    0;  Gaps    0;

Qy         46 MTFYSPAVMNYSIPSNVTNLEGGPGRQTTSPNVLWPTPGHLSPLVVHRQLSHLYAEPQKS 105
              | |||||||||:||:  |||||| ||| |||||||| ||||||  | | | ||||||||
Db          1 MAFYSPAVMNYSVPSSTGNLEGGPVRQTASPNVLWPTSGHLSPLATHCQSSLLYAEPQKS 60

Qy        106 PWCEARSLEHTLPVNRETLKRKVSGNRCASPVTGPGSKRDAHFCAVCSDYASGYHYGVWS 165
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Db         61 PWCEARSLEHTLPVNRETLKRKLGGSGCASPVTSPSTKRDAHFCAVCSDYASGYHYGVWS 120

Qy        166 CEGCKAFFKRSIQGHNDYICPATNQCTIDKNRRKSCQACRLRKCYEVGMVKCGSRRERCG 225
              ||||||||||||||||||||||||||||||:|||||||||||||||||||||||||||||
Db        121 CEGCKAFFKRSIQGHNDYICPATNQCTIDKNRRKNCQACRLRKCYEVGMVKCGSRRERCG 180

Qy        226 YRLVRRQRSADEQLHCAGKAKRSGGHAPRVRELLLDALSPEQLVLTLLEAEPPHVLISRP 285
              ||:|||||| ||:||  |||: || |||:||||::|||||||||||||:||:|||
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Qy        286 SAPPTEASMMMSLTKLADKELVHMISWAKKIPGFVELSLFDQVRLLESCWMEVLMMGLMW 345
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Qy        346 RSIDHPGKLIFAPDLVLDRDEGKCVEGILEIFDMLLATTSRFRELKLQHKEYLCVKAMIL 405
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Db        301 RSIDHPGKLIFAPDLVLDRDEGKCVEGILEIFDMLLATTARFRELKLQHKEYLCVKAMIL 360

Qy        406 LNSSMYPLVTATQDADSSRKLAHLLNAVTDALVWVIAKSGISSQQQSMRLANLLMLLSHV 465
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Db        361 LNSSMYHLATASQEAESSRKLTHLLNAVTDALVWVISKSRISSQQQSVRLANLLMLLSHV 420

Qy        466 RHASNKGMEHLLNMKCKNVVPVYDLLLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSQ 525
              || |||||||||:|||||||||||||||||||| ||| ||||:|| |   ||||||||||
Db        421 RHISNKGMEHLLSMKCKNVVPVYDLLLEMLNAHTLRGYKSSISGSGSCCSTEDSKSKEGSQ 480

Qy        526 NPQS 529
              | ||
Db        481 NLQS 484


RESULT 15
US-09-608-088-6
; Sequence 6, Application US/09608088
; Patent No. 6680368
; GENERAL INFORMATION:
;  APPLICANT: Mosselman, Sietse
;  APPLICANT:  Dijkema, Rein
;  TITLE OF INVENTION: No. 6680368el Estrogen Receptor
;  FILE REFERENCE: O/96193 US/D1
;  CURRENT APPLICATION NUMBER: US/09/608,088
;  CURRENT FILING DATE:  2000-06-30
;  PRIOR APPLICATION NUMBER: US 08/826,361
;  PRIOR FILING DATE: 1997-03-26
;  PRIOR APPLICATION NUMBER: EP 96203284.3
;  PRIOR FILING DATE: 1996-11-22
;  PRIOR APPLICATION NUMBER: EP 96200820.7
;  PRIOR FILING DATE: 1996-03-26
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 6
;   LENGTH: 416
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-608-088-6

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  Best Local Similarity   100.0%;  Pred. No. 1.3e-226;
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Db          1 MNYSIPSNVTNLEGGPGRQTTSPNVLWPTPGHLSPLVVHRQLSHLYAEPQKSPWCEARSL 60

Qy        114 EHTLPVNRETLKRKVSGNRCASPVTGPGSKRDAHFCAVCSDYASGYHYGVWSCEGCKAFF 173
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Qy        174 KRSIQGHNDYICPATNQCTIDKNRRKSCQACRLRKCYEVGMVKCGSRRERCGYRLVRRQR 233
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Db        121 KRSIQGHNDYICPATNQCTIDKNRRKSCQACRLRKCYEVGMVKCGSRRERCGYRLVRRQR 180

Qy        234 SADEQLHCAGKAKRSGGHAPRVRELLLDALSPEQLVLTLLEAEPPHVLISRPSAPFTEAS 293
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Db        181 SADEQLHCAGKAKRSGGHAPRVRELLLDALSPEQLVLTLLEAEPPHVLISRPSAPFTEAS 240

Qy        294 MMMSLTKLADKELVHMISWAKKIPGFVELSLFDQVRLLESCWMEVLMMGLMWRSIDHPGK 353
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Db        241 MMMSLTKLADKELVHMISWAKKIPGFVELSLFDQVRLLESCWMEVLMMGLMWRSIDHPGK 300

Qy        354 LIFAPDLVLDRDEGKCVEGILEIFDMLLATTSRFRELKLQHKEYLCVKAMILLNSSMYPL 413
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Db        301 LIFAPDLVLDRDEGKCVEGILEIFDMLLATTSRFRELKLQHKEYLCVKAMILLNSSMYPL 360

Qy        414 VTATQDADSSRKLAHLLNAVTDALVWVIAKSGISSQQQSMRLANLLMLLSHVRHA 468
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(without alignments)
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Title: US-08-906-365-1
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Gapop 10.0 , Gapext 1.0

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Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	1684.4	99.9	1745	4	US-09-949-016-1563	Sequence 1563, Ap
2	1683.4	99.8	2011	4	US-09-768-185A-2	Sequence 2, Appli
3	1667.4	98.9	1898	4	US-09-608-088-24	Sequence 24, Appl
4	1667.4	98.9	1898	4	US-09-711-288-24	Sequence 24, Appl
5	1634	96.9	1647	3	US-09-139-617-2	Sequence 2, Appli
6	1634	96.9	1647	3	US-09-561-741A-2	Sequence 2, Appli
7	1634	96.9	1647	4	US-09-558-795-2	Sequence 2, Appli
8	1453.6	86.2	1460	2	US-08-836-620A-4	Sequence 4, Appli
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12	1247	74.0	1251	4	US-09-711-288-2	Sequence 2, Appli
13	1247	74.0	1257	4	US-09-608-088-20	Sequence 20, Appl
14	1247	74.0	1257	4	US-09-711-288-20	Sequence 20, Appl
15	1233.6	73.2	2568	2	US-08-836-620A-1	Sequence 1, Appli
16	1099.6	65.2	1458	2	US-08-836-620A-6	Sequence 6, Appli
17	453.4	26.9	68452	4	US-09-949-016-13305	Sequence 13305, A
18	453.4	26.9	325791	4	US-09-768-185A-1	Sequence 1, Appli
19	395.8	23.5	2764	4	US-09-893-666A-1	Sequence 1, Appli
20	390.8	23.2	4963	1	US-08-076-726-16	Sequence 16, Appl
21	390.8	23.2	4963	1	US-08-260-452-9	Sequence 9, Appli
22	390.8	23.2	4963	2	US-08-481-970-9	Sequence 9, Appli
23	390.8	23.2	4963	2	US-08-897-719-9	Sequence 9, Appli
24	390.8	23.2	4963	3	US-09-163-269-9	Sequence 9, Appli
25	390.8	23.2	4963	4	US-09-281-674-9	Sequence 9, Appli
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27	389.2	23.1	6450	3	US-09-041-886-34	Sequence 34, Appl
28	389.2	23.1	6450	3	US-08-453-998-1	Sequence 1, Appli
29	389.2	23.1	6450	4	US-10-027-983-3	Sequence 3, Appli
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33	389.2	23.1	6450	4	US-10-081-563-1	Sequence 1, Appli
34	389.2	23.1	6610	4	US-10-052-092-20	Sequence 20, Appl
35	388	23.0	1788	4	US-10-052-092-24	Sequence 24, Appl
36	366.2	21.7	1978	4	US-10-052-092-23	Sequence 23, Appl
37	326.6	19.4	2106	4	US-10-052-092-5	Sequence 5, Appli
38	312.4	18.5	8566	4	US-10-027-983-10	Sequence 10, Appl
39	296.4	17.6	2495	4	US-09-771-357-104	Sequence 104, App
40	296.4	17.6	2495	4	US-10-059-579A-104	Sequence 104, App
41	287.2	17.0	1218	4	US-10-027-983-98	Sequence 98, Appl
42	285.6	16.9	1644	4	US-10-052-092-2	Sequence 2, Appli
43	285.6	16.9	1956	3	US-08-693-940-2	Sequence 2, Appli
44	285.6	16.9	1956	3	US-09-566-660-2	Sequence 2, Appli
45	285.6	16.9	2322	3	US-08-564-264-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1
US-09-949-016-1563
; Sequence 1563, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1563
; LENGTH: 1745
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-1563

Query Match 99.9%; Score 1684.4; DB 4; Length 1745;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1685; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy          1 CAGCCATTATACTTGCCCACGAATCTTTGAGAACATTATAATGACCTTTGTGCCTCTTCT 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         60 CAGCCATTATACTTGCCCACGAATCTTTGAGAACATTATAATGACCTTTGTGCCTCTTCT 119

Qy         61 TGCAAGGTGTTTTCTCAGCTGCTATCTCAAGACATGGATATAAAAAACTCACCATCTAGC 120
              |||||||||||||||||||| ||||||||||||||||||||||||||||||||||||||
Db        120 TGCAAGGTGTTTTCTCAGCTGTTATCTCAAGACATGGATATAAAAAACTCACCATCTAGC 179

Qy        121 CTTAATTCTCCTTCCTCCTACAACTGCAGTCAATCCATCTTACCCCTGGAGCACGGCTCC 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        180 CTTAATTCTCCTTCCTCCTACAACTGCAGTCAATCCATCTTACCCCTGGAGCACGGCTCC 239

Qy        181 ATATACATACCTTCCTCCTATGTAGACAGCCACCATGAATATCCAGCCATGACATTCTAT 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        240 ATATACATACCTTCCTCCTATGTAGACAGCCACCATGAATATCCAGCCATGACATTCTAT 299

Qy        241 AGCCCTGCTGTGATGAATTACAGCATTCCCAGCAATGTCACTAACTTGGAAGGTGGGCCT 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        300 AGCCCTGCTGTGATGAATTACAGCATTCCCAGCAATGTCACTAACTTGGAAGGTGGGCCT 359

Qy        301 GGTCGGCAGACCACAAGCCCAAATGTGTTGTGGCCAACACCTGGGCACCTTTCTCCTTTA 360
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Db        360 GGTCGGCAGACCACAAGCCCAAATGTGTTGTGGCCAACACCTGGGCACCTTTCTCCTTTA 419

Qy        361 GTGGTCCATCGCCAGTTATCACATCTGTATGCGGAACCTCAAAAGAGTCCCTGGTGTGAA 420

Db        420 GTGGTCCATCGCCAGTTATCACATCTGTATGCGGAACCTCAAAAGAGTCCCTGGTGTGAA 479

Qy        421 GCAAGATCGCTAGAACACACCTTACCTGTAAACAGAGAGACACTGAAAAGGAAGGTTAGT 480

Db        480 GCAAGATCGCTAGAACACACCTTACCTGTAAACAGAGAGACACTGAAAAGGAAGGTTAGT 539

Qy        481 GGGAACCGTTGCGCCAGCCCTGTTACTGGTCCAGGTTCAAAGAGGGATGCTCACTTCTGC 540

Db        540 GGGAACCGTTGCGCCAGCCCTGTTACTGGTCCAGGTTCAAAGAGGGATGCTCACTTCTGC 599

Qy        541 GCTGTCTGCAGCGATTACGCATCGGGATATCACTATGGAGTCTGGTCGTGTGAAGGATGT 600

Db        600 GCTGTCTGCAGCGATTACGCATCGGGATATCACTATGGAGTCTGGTCGTGTGAAGGATGT 659

Qy        601 AAGGCCTTTTTTAAAAGAAGCATTCAAGGACATAATGATTATATTTGTCCAGCTACAAAT 660

Db        660 AAGGCCTTTTTTAAAAGAAGCATTCAAGGACATAATGATTATATTTGTCCAGCTACAAAT 719

Qy        661 CAGTGTACAATCGATAAAAACCGGCGCAAGAGCTGCCAGGCCTGCCGACTTCGGAAGTGT 720

Db        720 CAGTGTACAATCGATAAAAACCGGCGCAAGAGCTGCCAGGCCTGCCGACTTCGGAAGTGT 779

Qy        721 TACGAAGTGGGAATGGTGAAGTGTGGCTCCCGGAGAGAGAGATGTGGGTACCGCCTTGTG 780

Db        780 TACGAAGTGGGAATGGTGAAGTGTGGCTCCCGGAGAGAGAGATGTGGGTACCGCCTTGTG 839

Qy        781 CGGAGACAGAGAAGTGCCGACGAGCAGCTGCACTGTGCCGGCAAGGCCAAGAGAAGTGGC 840

Db        840 CGGAGACAGAGAAGTGCCGACGAGCAGCTGCACTGTGCCGGCAAGGCCAAGAGAAGTGGC 899

Qy        841 GGCCACGCGCCCCGAGTGCGGGAGCTGCTGCTGGACGCCCTGAGCCCCGAGCAGCTAGTG 900

Db        900 GGCCACGCGCCCCGAGTGCGGGAGCTGCTGCTGGACGCCCTGAGCCCCGAGCAGCTAGTG 959

Qy        901 CTCACCCTCCTGGAGGCTGAGCCGCCCCATGTGCTGATCAGCCGCCCCAGTGCGCCCTTC 960

Db        960 CTCACCCTCCTGGAGGCTGAGCCGCCCCATGTGCTGATCAGCCGCCCCAGTGCGCCCTTC 1019

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Qy       1021 ATCAGCTGGGCCAAGAAGATTCCCGGCTTTGTGGAGCTCAGCCTGTTCGACCAAGTGCGG 1080

Db       1080 ATCAGCTGGGCCAAGAAGATTCCCGGCTTTGTGGAGCTCAGCCTGTTCGACCAAGTGCGG 1139

Qy       1081 CTCTTGGAGAGCTGTTGGATGGAGGTGTTAATGATGGGGCTGATGTGGCGCTCAATTGAC 1140

Db       1140 CTCTTGGAGAGCTGTTGGATGGAGGTGTTAATGATGGGGCTGATGTGGCGCTCAATTGAC 1199

Qy       1141 CACCCCGGCAAGCTCATCTTTGCTCCAGATCTTGTTCTGGACAGGGATGAGGGGAAATGC 1200

Db       1200 CACCCCGGCAAGCTCATCTTTGCTCCAGATCTTGTTCTGGACAGGGATGAGGGGAAATGC 1259

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Qy       1261 TTAAAACTCCAACACAAAGAATATCTCTGTGTCAAGGCCATGATCCTGCTCAATTCCAGT 1320

Db       1320 TTAAAACTCCAACACAAAGAATATCTCTGTGTCAAGGCCATGATCCTGCTCAATTCCAGT 1379

Qy       1321 ATGTACCCTCTGGTCACAGCGACCCAGGATGCTGACAGCAGCCGGAAGCTGGCTCACTTG 1380

Db       1380 ATGTACCCTCTGGTCACAGCGACCCAGGATGCTGACAGCAGCCGGAAGCTGGCTCACTTG 1439

Qy       1381 CTGAACGCCGTGACCGATGCTTTGGTTTGGGTGATTGCCAAGAGCGGCATCTCCTCCCAG 1440

Db       1440 CTGAACGCCGTGACCGATGCTTTGGTTTGGGTGATTGCCAAGAGCGGCATCTCCTCCCAG 1499

Qy       1441 CAGCAATCCATGCGCCTGGCTAACCTCCTGATGCTCCTGTCCCACGTCAGGCATGCGAGT 1500

Db       1500 CAGCAATCCATGCGCCTGGCTAACCTCCTGATGCTCCTGTCCCACGTCAGGCATGCGAGT 1559

Qy       1501 AACAAGGGCATGGAACATCTGCTCAACATGAAGTGCAAAAATGTGGTCCCAGTGTATGAC 1560

Db       1560 AACAAGGGCATGGAACATCTGCTCAACATGAAGTGCAAAAATGTGGTCCCAGTGTATGAC 1619

Qy       1561 CTGCTGCTGGAGATGCTGAATGCCCACGTGCTTCGCGGGTGCAAGTCCTCCATCACGGGG 1620

Db       1620 CTGCTGCTGGAGATGCTGAATGCCCACGTGCTTCGCGGGTGCAAGTCCTCCATCACGGGG 1679

Qy       1621 TCCGAGTGCAGCCCGGCAGAGGACAGTAAAAGCAAAGAGGGCTCCCAGAACCCACAGTCT 1680

Db       1680 TCCGAGTGCAGCCCGGCAGAGGACAGTAAAAGCAAAGAGGGCTCCCAGAACCCACAGTCT 1739

Qy       1681 CAGTGA 1686

Db       1740 CAGTGA 1745
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RESULT 2
US-09-768-185A-2
; Sequence 2, Application US/09768185A
; Patent No. 6818758
; GENERAL INFORMATION:
; APPLICANT: Cassel, Michael et al
; TITLE OF INVENTION: Estrogen receptor beta variants and
; TITLE OF INVENTION: methods of detection thereof
; FILE REFERENCE: CL000280
; CURRENT APPLICATION NUMBER: US/09/768,185A
; CURRENT FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: 09768185
; PRIOR FILING DATE: 2001-01-24
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 2011
; TYPE: DNA
; ORGANISM: Human
US-09-768-185A-2

Query Match 99.8%; Score 1683.4; DB 4; Length 2011;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1684; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy          2 AGCCATTATACTTGCCCACGAATCTTTGAGAACATTATAATGACCTTTGTGCCTCTTCTT 61

Db        327 AGCCATTATACTTGCCCACGAATCTTTGAGAACATTATAATGACCTTTGTGCCTCTTCTT 386

Qy         62 GCAAGGTGTTTTCTCAGCTGCTATCTCAAGACATGGATATAAAAAACTCACCATCTAGCC 121

Db        387 GCAAGGTGTTTTCTCAGCTGTTATCTCAAGACATGGATATAAAAAACTCACCATCTAGCC 446

Qy        122 TTAATTCTCCTTCCTCCTACAACTGCAGTCAATCCATCTTACCCCTGGAGCACGGCTCCA 181

Db        447 TTAATTCTCCTTCCTCCTACAACTGCAGTCAATCCATCTTACCCCTGGAGCACGGCTCCA 506

Qy        182 TATACATACCTTCCTCCTATGTAGACAGCCACCATGAATATCCAGCCATGACATTCTATA 241

Db        507 TATACATACCTTCCTCCTATGTAGACAGCCACCATGAATATCCAGCCATGACATTCTATA 566

Qy        242 GCCCTGCTGTGATGAATTACAGCATTCCCAGCAATGTCACTAACTTGGAAGGTGGGCCTG 301

Db        567 GCCCTGCTGTGATGAATTACAGCATTCCCAGCAATGTCACTAACTTGGAAGGTGGGCCTG 626

Qy        302 GTCGGCAGACCACAAGCCCAAATGTGTTGTGGCCAACACCTGGGCACCTTTCTCCTTTAG 361

Db        627 GTCGGCAGACCACAAGCCCAAATGTGTTGTGGCCAACACCTGGGCACCTTTCTCCTTTAG 686

Qy        362 TGGTCCATCGCCAGTTATCACATCTGTATGCGGAACCTCAAAAGAGTCCCTGGTGTGAAG 421
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Db        687 TGGTCCATCGCCAGTTATCACATCTGTATGCGGAACCTCAAAAGAGTCCCTGGTGTGAAG 746

Qy        422 CAAGATCGCTAGAACACACCTTACCTGTAAACAGAGAGACACTGAAAAGGAAGGTTAGTG 481

Db        747 CAAGATCGCTAGAACACACCTTACCTGTAAACAGAGAGACACTGAAAAGGAAGGTTAGTG 806

Qy        482 GGAACCGTTGCGCCAGCCCTGTTACTGGTCCAGGTTCAAAGAGGGATGCTCACTTCTGCG 541

Db        807 GGAACCGTTGCGCCAGCCCTGTTACTGGTCCAGGTTCAAAGAGGGATGCTCACTTCTGCG 866

Qy        542 CTGTCTGCAGCGATTACGCATCGGGATATCACTATGGAGTCTGGTCGTGTGAAGGATGTA 601

Db        867 CTGTCTGCAGCGATTACGCATCGGGATATCACTATGGAGTCTGGTCGTGTGAAGGATGTA 926

Qy        602 AGGCCTTTTTTAAAAGAAGCATTCAAGGACATAATGATTATATTTGTCCAGCTACAAATC 661

Db        927 AGGCCTTTTTTAAAAGAAGCATTCAAGGACATAATGATTATATTTGTCCAGCTACAAATC 986

Qy        662 AGTGTACAATCGATAAAAACCGGCGCAAGAGCTGCCAGGCCTGCCGACTTCGGAAGTGTT 721

Db        987 AGTGTACAATCGATAAAAACCGGCGCAAGAGCTGCCAGGCCTGCCGACTTCGGAAGTGTT 1046

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Db       1047 ACGAAGTGGGAATGGTGAAGTGTGGCTCCCGGAGAGAGAGATGTGGGTACCGCCTTGTGC 1106

Qy        782 GGAGACAGAGAAGTGCCGACGAGCAGCTGCACTGTGCCGGCAAGGCCAAGAGAAGTGGCG 841

Db       1107 GGAGACAGAGAAGTGCCGACGAGCAGCTGCACTGTGCCGGCAAGGCCAAGAGAAGTGGCG 1166

Qy        842 GCCACGCGCCCCGAGTGCGGGAGCTGCTGCTGGACGCCCTGAGCCCCGAGCAGCTAGTGC 901

Db       1167 GCCACGCGCCCCGAGTGCGGGAGCTGCTGCTGGACGCCCTGAGCCCCGAGCAGCTAGTGC 1226

Qy        902 TCACCCTCCTGGAGGCTGAGCCGCCCCATGTGCTGATCAGCCGCCCCAGTGCGCCCTTCA 961

Db       1227 TCACCCTCCTGGAGGCTGAGCCGCCCCATGTGCTGATCAGCCGCCCCAGTGCGCCCTTCA 1286

Qy        962 CCGAGGCCTCCATGATGATGTCCCTGACCAAGTTGGCCGACAAGGAGTTGGTACACATGA 1021

Db       1287 CCGAGGCCTCCATGATGATGTCCCTGACCAAGTTGGCCGACAAGGAGTTGGTACACATGA 1346

Qy       1022 TCAGCTGGGCCAAGAAGATTCCCGGCTTTGTGGAGCTCAGCCTGTTCGACCAAGTGCGGC 1081

Db       1347 TCAGCTGGGCCAAGAAGATTCCCGGCTTTGTGGAGCTCAGCCTGTTCGACCAAGTGCGGC 1406

Qy       1082 TCTTGGAGAGCTGTTGGATGGAGGTGTTAATGATGGGGCTGATGTGGCGCTCAATTGACC 1141

Db       1407 TCTTGGAGAGCTGTTGGATGGAGGTGTTAATGATGGGGCTGATGTGGCGCTCAATTGACC 1466

Qy       1142 ACCCCGGCAAGCTCATCTTTGCTCCAGATCTTGTTCTGGACAGGGATGAGGGGAAATGCG 1201

Db       1467 ACCCCGGCAAGCTCATCTTTGCTCCAGATCTTGTTCTGGACAGGGATGAGGGGAAATGCG 1526

Qy       1202 TAGAAGGAATTCTGGAAATCTTTGACATGCTCCTGGCAACTACTTCAAGGTTTCGAGAGT 1261

Db       1527 TAGAAGGAATTCTGGAAATCTTTGACATGCTCCTGGCAACTACTTCAAGGTTTCGAGAGT 1586

Qy       1262 TAAAACTCCAACACAAAGAATATCTCTGTGTCAAGGCCATGATCCTGCTCAATTCCAGTA 1321

Db       1587 TAAAACTCCAACACAAAGAATATCTCTGTGTCAAGGCCATGATCCTGCTCAATTCCAGTA 1646

Qy       1322 TGTACCCTCTGGTCACAGCGACCCAGGATGCTGACAGCAGCCGGAAGCTGGCTCACTTGC 1381

Db       1647 TGTACCCTCTGGTCACAGCGACCCAGGATGCTGACAGCAGCCGGAAGCTGGCTCACTTGC 1706

Qy       1382 TGAACGCCGTGACCGATGCTTTGGTTTGGGTGATTGCCAAGAGCGGCATCTCCTCCCAGC 1441

Db       1707 TGAACGCCGTGACCGATGCTTTGGTTTGGGTGATTGCCAAGAGCGGCATCTCCTCCCAGC 1766

Qy       1442 AGCAATCCATGCGCCTGGCTAACCTCCTGATGCTCCTGTCCCACGTCAGGCATGCGAGTA 1501

Db       1767 AGCAATCCATGCGCCTGGCTAACCTCCTGATGCTCCTGTCCCACGTCAGGCATGCGAGTA 1826

Qy       1502 ACAAGGGCATGGAACATCTGCTCAACATGAAGTGCAAAAATGTGGTCCCAGTGTATGACC 1561

Db       1827 ACAAGGGCATGGAACATCTGCTCAACATGAAGTGCAAAAATGTGGTCCCAGTGTATGACC 1886

Qy       1562 TGCTGCTGGAGATGCTGAATGCCCACGTGCTTCGCGGGTGCAAGTCCTCCATCACGGGGT 1621

Db       1887 TGCTGCTGGAGATGCTGAATGCCCACGTGCTTCGCGGGTGCAAGTCCTCCATCACGGGGT 1946

Qy       1622 CCGAGTGCAGCCCGGCAGAGGACAGTAAAAGCAAAGAGGGCTCCCAGAACCCACAGTCTC 1681

Db       1947 CCGAGTGCAGCCCGGCAGAGGACAGTAAAAGCAAAGAGGGCTCCCAGAACCCACAGTCTC 2006

Qy       1682 AGTGA 1686

Db       2007 AGTGA 2011
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RESULT 3
US-09-608-088-24
; Sequence 24, Application US/09608088
; Patent No. 6680368
; GENERAL INFORMATION:
; APPLICANT: Mosselman, Sietse
; APPLICANT: Dijkema, Rein
; TITLE OF INVENTION: No. 6680368el Estrogen Receptor
; FILE REFERENCE: O/96193 US/D1
; CURRENT APPLICATION NUMBER: US/09/608,088
; CURRENT FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 08/826,361
; PRIOR FILING DATE: 1997-03-26
; PRIOR APPLICATION NUMBER: EP 96203284.3
; PRIOR FILING DATE: 1996-11-22
; PRIOR APPLICATION NUMBER: EP 96200820.7
; PRIOR FILING DATE: 1996-03-26
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 24
; LENGTH: 1898
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-608-088-24

Query Match 98.9%; Score 1667.4; DB 4; Length 1898;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1668; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy         18 CACGAATCTTTGAGAACATTATAATGACCTTTGTGCCTCTTCTTGCAAGGTGTTTTCTCA 77

Db          1 CACGAATCTTTGAGAACATTATAATGACCTTTGTGCCTCTTCTTGCAAGGTGTTTTCTCA 60

Qy         78 GCTGCTATCTCAAGACATGGATATAAAAAACTCACCATCTAGCCTTAATTCTCCTTCCTC 137

Db         61 GCTGTTATCTCAAGACATGGATATAAAAAACTCACCATCTAGCCTTAATTCTCCTTCCTC 120

Qy        138 CTACAACTGCAGTCAATCCATCTTACCCCTGGAGCACGGCTCCATATACATACCTTCCTC 197

Db        121 CTACAACTGCAGTCAATCCATCTTACCCCTGGAGCACGGCTCCATATACATACCTTCCTC 180

Qy        198 CTATGTAGACAGCCACCATGAATATCCAGCCATGACATTCTATAGCCCTGCTGTGATGAA 257

Db        181 CTATGTAGACAGCCACCATGAATATCCAGCCATGACATTCTATAGCCCTGCTGTGATGAA 240

Qy        258 TTACAGCATTCCCAGCAATGTCACTAACTTGGAAGGTGGGCCTGGTCGGCAGACCACAAG 317

Db        241 TTACAGCATTCCCAGCAATGTCACTAACTTGGAAGGTGGGCCTGGTCGGCAGACCACAAG 300

Qy        318 CCCAAATGTGTTGTGGCCAACACCTGGGCACCTTTCTCCTTTAGTGGTCCATCGCCAGTT 377

Db        301 CCCAAATGTGTTGTGGCCAACACCTGGGCACCTTTCTCCTTTAGTGGTCCATCGCCAGTT 360

Qy        378 ATCACATCTGTATGCGGAACCTCAAAAGAGTCCCTGGTGTGAAGCAAGATCGCTAGAACA 437
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Db        361 ATCACATCTGTATGCGGAACCTCAAAAGAGTCCCTGGTGTGAAGCAAGATCGCTAGAACA 420

Qy        438 CACCTTACCTGTAAACAGAGAGACACTGAAAAGGAAGGTTAGTGGGAACCGTTGCGCCAG 497
Db        421 CACCTTACCTGTAAACAGAGAGACACTGAAAAGGAAGGTTAGTGGGAACCGTTGCGCCAG 480

Qy        498 CCCTGTTACTGGTCCAGGTTCAAAGAGGGATGCTCACTTCTGCGCTGTCTGCAGCGATTA 557
Db        481 CCCTGTTACTGGTCCAGGTTCAAAGAGGGATGCTCACTTCTGCGCTGTCTGCAGCGATTA 540

Qy        558 CGCATCGGGATATCACTATGGAGTCTGGTCGTGTGAAGGATGTAAGGCCTTTTTTAAAAG 617
Db        541 CGCATCGGGATATCACTATGGAGTCTGGTCGTGTGAAGGATGTAAGGCCTTTTTTAAAAG 600

Qy        618 AAGCATTCAAGGACATAATGATTATATTTGTCCAGCTACAAATCAGTGTACAATCGATAA 677
Db        601 AAGCATTCAAGGACATAATGATTATATTTGTCCAGCTACAAATCAGTGTACAATCGATAA 660

Qy        678 AAACCGGCGCAAGAGCTGCCAGGCCTGCCGACTTCGGAAGTGTTACGAAGTGGGAATGGT 737
Db        661 AAACCGGCGCAAGAGCTGCCAGGCCTGCCGACTTCGGAAGTGTTACGAAGTGGGAATGGT 720

Qy        738 GAAGTGTGGCTCCCGGAGAGAGAGATGTGGGTACCGCCTTGTGCGGAGACAGAGAAGTGC 797
Db        721 GAAGTGTGGCTCCCGGAGAGAGAGATGTGGGTACCGCCTTGTGCGGAGACAGAGAAGTGC 780

Qy        798 CGACGAGCAGCTGCACTGTGCCGGCAAGGCCAAGAGAAGTGGCGGCCACGCGCCCCGAGT 857
Db        781 CGACGAGCAGCTGCACTGTGCCGGCAAGGCCAAGAGAAGTGGCGGCCACGCGCCCCGAGT 840

Qy        858 GCGGGAGCTGCTGCTGGACGCCCTGAGCCCCGAGCAGCTAGTGCTCACCCTCCTGGAGGC 917
Db        841 GCGGGAGCTGCTGCTGGACGCCCTGAGCCCCGAGCAGCTAGTGCTCACCCTCCTGGAGGC 900

Qy        918 TGAGCCGCCCCCATGTGCTGATCAGCCGCCCCAGTGCGCCCTTCACCGAGGCCTCCATGAT 977
Db        901 TGAGCCGCCCCCATGTGCTGATCAGCCGCCCCAGTGCGCCCTTCACCGAGGCCTCCATGAT 960

Qy        978 GATGTCCCTGACCAAGTTGGCCGACAAGGAGTTGGTACACATGATCAGCTGGGCCAAGAA 1037
Db        961 GATGTCCCTGACCAAGTTGGCCGACAAGGAGTTGGTACACATGATCAGCTGGGCCAAGAA 1020

Qy       1038 GATTCCCGGCTTTGTGGAGCTCAGCCTGTTCGACCAAGTGCGGCTCTTGGAGAGCTGTTG 1097
Db       1021 GATTCCCGGCTTTGTGGAGCTCAGCCTGTTCGACCAAGTGCGGCTCTTGGAGAGCTGTTG 1080

Qy       1098 GATGGAGGTGTTAATGATGGGGCTGATGTGGCGCTCAATTGACCACCCCGGCAAGCTCAT 1157
Db       1081 GATGGAGGTGTTAATGATGGGGCTGATGTGGCGCTCAATTGACCACCCCGGCAAGCTCAT 1140

Qy       1158 CTTTGCTCCAGATCTTGTTCTGGACAGGGATGAGGGGAAATGCGTAGAAGGAATTCTGGA 1217
Db       1141 CTTTGCTCCAGATCTTGTTCTGGACAGGGATGAGGGGAAATGCGTAGAAGGAATTCTGGA 1200

Qy       1218 AATCTTTGACATGCTCCTGGCAACTACTTCAAGGTTTCGAGAGTTAAAACTCCAACACAA 1277
Db       1201 AATCTTTGACATGCTCCTGGCAACTACTTCAAGGTTTCGAGAGTTAAAACTCCAACACAA 1260

Qy       1278 AGAATATCTCTGTGTCAAGGCCATGATCCTGCTCAATTCCAGTATGTACCCTCTGGTCAC 1337
Db       1261 AGAATATCTCTGTGTCAAGGCCATGATCCTGCTCAATTCCAGTATGTACCCTCTGGTCAC 1320

Qy       1338 AGCGACCCAGGATGCTGACAGCAGCCGGAAGCTGGCTCACTTGCTGAACGCCGTGACCGA 1397
Db       1321 AGCGACCCAGGATGCTGACAGCAGCCGGAAGCTGGCTCACTTGCTGAACGCCGTGACCGA 1380

Qy       1398 TGCTTTGGTTTGGGTGATTGCCAAGAGCGGCATCTCCTCCCAGCAGCAATCCATGCGCCT 1457
Db       1381 TGCTTTGGTTTGGGTGATTGCCAAGAGCGGCATCTCCTCCCAGCAGCAATCCATGCGCCT 1440

Qy       1458 GGCTAACCTCCTGATGCTCCTGTCCCACGTCAGGCATGCGAGTAACAAGGGCATGGAACA 1517
Db       1441 GGCTAACCTCCTGATGCTCCTGTCCCACGTCAGGCATGCGAGTAACAAGGGCATGGAACA 1500

Qy       1518 TCTGCTCAACATGAAGTGCAAAAATGTGGTCCCAGTGTATGACCTGCTGCTGGAGATGCT 1577
Db       1501 TCTGCTCAACATGAAGTGCAAAAATGTGGTCCCAGTGTATGACCTGCTGCTGGAGATGCT 1560

Qy       1578 GAATGCCCACGTGCTTCGCGGGTGCAAGTCCTCCATCACGGGGTCCGAGTGCAGCCCGGC 1637
Db       1561 GAATGCCCACGTGCTTCGCGGGTGCAAGTCCTCCATCACGGGGTCCGAGTGCAGCCCGGC 1620

Qy       1638 AGAGGACAGTAAAAGCAAAGAGGGCTCCCAGAACCCACAGTCTCAGTGA 1686
Db       1621 AGAGGACAGTAAAAGCAAAGAGGGCTCCCAGAACCCACAGTCTCAGTGA 1669
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RESULT 4
US-09-711-288-24
; Sequence 24, Application US/09711288
; Patent No. 6713270
; GENERAL INFORMATION:
; APPLICANT: Mosselman, Sietse
; APPLICANT: Dijkema, Rein
; TITLE OF INVENTION: No. 6713270el Estrogen Receptor
; FILE REFERENCE: O/96193 US/D2
; CURRENT APPLICATION NUMBER: US/09/711,288
; CURRENT FILING DATE: 2000-11-13
; PRIOR APPLICATION NUMBER: US 08/826,361
; PRIOR FILING DATE: 1997-03-26
; PRIOR APPLICATION NUMBER: EP 96203284.3
; PRIOR FILING DATE: 1996-11-22
; PRIOR APPLICATION NUMBER: EP 96200820.7
; PRIOR FILING DATE: 1996-03-26
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 24
; LENGTH: 1898
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-711-288-24

Query Match 98.9%; Score 1667.4; DB 4; Length 1898;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1668; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy         18 CACGAATCTTTGAGAACATTATAATGACCTTTGTGCCTCTTCTTGCAAGGTGTTTTCTCA 77
Db          1 CACGAATCTTTGAGAACATTATAATGACCTTTGTGCCTCTTCTTGCAAGGTGTTTTCTCA 60

Qy         78 GCTGCTATCTCAAGACATGGATATAAAAAACTCACCATCTAGCCTTAATTCTCCTTCCTC 137
Db         61 GCTGTTATCTCAAGACATGGATATAAAAAACTCACCATCTAGCCTTAATTCTCCTTCCTC 120

Qy        138 CTACAACTGCAGTCAATCCATCTTACCCCTGGAGCACGGCTCCATATACATACCTTCCTC 197
Db        121 CTACAACTGCAGTCAATCCATCTTACCCCTGGAGCACGGCTCCATATACATACCTTCCTC 180

Qy        198 CTATGTAGACAGCCACCATGAATATCCAGCCATGACATTCTATAGCCCTGCTGTGATGAA 257
Db        181 CTATGTAGACAGCCACCATGAATATCCAGCCATGACATTCTATAGCCCTGCTGTGATGAA 240

Qy        258 TTACAGCATTCCCAGCAATGTCACTAACTTGGAAGGTGGGCCTGGTCGGCAGACCACAAG 317
Db        241 TTACAGCATTCCCAGCAATGTCACTAACTTGGAAGGTGGGCCTGGTCGGCAGACCACAAG 300

Qy        318 CCCAAATGTGTTGTGGCCAACACCTGGGCACCTTTCTCCTTTAGTGGTCCATCGCCAGTT 377
Db        301 CCCAAATGTGTTGTGGCCAACACCTGGGCACCTTTCTCCTTTAGTGGTCCATCGCCAGTT 360

Qy        378 ATCACATCTGTATGCGGAACCTCAAAAGAGTCCCTGGTGTGAAGCAAGATCGCTAGAACA 437
Db        361 ATCACATCTGTATGCGGAACCTCAAAAGAGTCCCTGGTGTGAAGCAAGATCGCTAGAACA 420

Qy        438 CACCTTACCTGTAAACAGAGAGACACTGAAAAGGAAGGTTAGTGGGAACCGTTGCGCCAG 497
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Db        421 CACCTTACCTGTAAACAGAGAGACACTGAAAAGGAAGGTTAGTGGGAACCGTTGCGCCAG 480

Qy        498 CCCTGTTACTGGTCCAGGTTCAAAGAGGGATGCTCACTTCTGCGCTGTCTGCAGCGATTA 557

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Qy        558 CGCATCGGGATATCACTATGGAGTCTGGTCGTGTGAAGGATGTAAGGCCTTTTTTAAAAG 617

Db        541 CGCATCGGGATATCACTATGGAGTCTGGTCGTGTGAAGGATGTAAGGCCTTTTTTAAAAG 600

Qy        618 AAGCATTCAAGGACATAATGATTATATTTGTCCAGCTACAAATCAGTGTACAATCGATAA 677

Db        601 AAGCATTCAAGGACATAATGATTATATTTGTCCAGCTACAAATCAGTGTACAATCGATAA 660

Qy        678 AAACCGGCGCAAGAGCTGCCAGGCCTGCCGACTTCGGAAGTGTTACGAAGTGGGAATGGT 737

Db        661 AAACCGGCGCAAGAGCTGCCAGGCCTGCCGACTTCGGAAGTGTTACGAAGTGGGAATGGT 720

Qy        738 GAAGTGTGGCTCCCGGAGAGAGAGATGTGGGTACCGCCTTGTGCGGAGACAGAGAAGTGC 797

Db        721 GAAGTGTGGCTCCCGGAGAGAGAGATGTGGGTACCGCCTTGTGCGGAGACAGAGAAGTGC 780

Qy        798 CGACGAGCAGCTGCACTGTGCCGGCAAGGCCAAGAGAAGTGGCGGCCACGCGCCCCGAGT 857

Db        781 CGACGAGCAGCTGCACTGTGCCGGCAAGGCCAAGAGAAGTGGCGGCCACGCGCCCCGAGT 840

Qy        858 GCGGGAGCTGCTGCTGGACGCCCTGAGCCCCGAGCAGCTAGTGCTCACCCTCCTGGAGGC 917

Db        841 GCGGGAGCTGCTGCTGGACGCCCTGAGCCCCGAGCAGCTAGTGCTCACCCTCCTGGAGGC 900

Qy        918 TGAGCCGCCCCCATGTGCTGATCAGCCGCCCCAGTGCGCCCTTCACCGAGGCCTCCATGAT 977

Db        901 TGAGCCGCCCCATGTGCTGATCAGCCGCCCCAGTGCGCCCTTCACCGAGGCCTCCATGAT 960

Qy        978 GATGTCCCTGACCAAGTTGGCCGACAAGGAGTTGGTACACATGATCAGCTGGGCCAAGAA 1037

Db        961 GATGTCCCTGACCAAGTTGGCCGACAAGGAGTTGGTACACATGATCAGCTGGGCCAAGAA 1020

Qy       1038 GATTCCCGGCTTTGTGGAGCTCAGCCTGTTCGACCAAGTGCGGCTCTTGGAGAGCTGTTG 1097

Db       1021 GATTCCCGGCTTTGTGGAGCTCAGCCTGTTCGACCAAGTGCGGCTCTTGGAGAGCTGTTG 1080

Qy       1098 GATGGAGGTGTTAATGATGGGGCTGATGTGGCGCTCAATTGACCACCCCGGCAAGCTCAT 1157

Db       1081 GATGGAGGTGTTAATGATGGGGCTGATGTGGCGCTCAATTGACCACCCCGGCAAGCTCAT 1140

Qy       1158 CTTTGCTCCAGATCTTGTTCTGGACAGGGATGAGGGGAAATGCGTAGAAGGAATTCTGGA 1217

Db       1141 CTTTGCTCCAGATCTTGTTCTGGACAGGGATGAGGGGAAATGCGTAGAAGGAATTCTGGA 1200

Qy       1218 AATCTTTGACATGCTCCTGGCAACTACTTCAAGGTTTCGAGAGTTAAAACTCCAACACAA 1277

Db       1201 AATCTTTGACATGCTCCTGGCAACTACTTCAAGGTTTCGAGAGTTAAAACTCCAACACAA 1260

Qy       1278 AGAATATCTCTGTGTCAAGGCCATGATCCTGCTCAATTCCAGTATGTACCCTCTGGTCAC 1337

Db       1261 AGAATATCTCTGTGTCAAGGCCATGATCCTGCTCAATTCCAGTATGTACCCTCTGGTCAC 1320

Qy       1338 AGCGACCCAGGATGCTGACAGCAGCCGGAAGCTGGCTCACTTGCTGAACGCCGTGACCGA 1397

Db       1321 AGCGACCCAGGATGCTGACAGCAGCCGGAAGCTGGCTCACTTGCTGAACGCCGTGACCGA 1380

Qy       1398 TGCTTTGGTTTGGGTGATTGCCAAGAGCGGCATCTCCTCCCAGCAGCAATCCATGCGCCT 1457

Db       1381 TGCTTTGGTTTGGGTGATTGCCAAGAGCGGCATCTCCTCCCAGCAGCAATCCATGCGCCT 1440

Qy       1458 GGCTAACCTCCTGATGCTCCTGTCCCACGTCAGGCATGCGAGTAACAAGGGCATGGAACA 1517

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Qy       1518 TCTGCTCAACATGAAGTGCAAAAATGTGGTCCCAGTGTATGACCTGCTGCTGGAGATGCT 1577

Db       1501 TCTGCTCAACATGAAGTGCAAAAATGTGGTCCCAGTGTATGACCTGCTGCTGGAGATGCT 1560

Qy       1578 GAATGCCCACGTGCTTCGCGGGTGCAAGTCCTCCATCACGGGGTCCGAGTGCAGCCCGGC 1637

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Qy       1638 AGAGGACAGTAAAAGCAAAGAGGGCTCCCAGAACCCACAGTCTCAGTGA 1686

Db       1621 AGAGGACAGTAAAAGCAAAGAGGGCTCCCAGAACCCACAGTCTCAGTGA 1669
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RESULT 5
US-09-139-617-2
; Sequence 2, Application US/09139617
; Patent No. 6222015
; GENERAL INFORMATION:
; APPLICANT: WILKINSON, HILARY
; TITLE OF INVENTION: ESTROGEN RECEPTOR
; FILE REFERENCE: 20047Y
; CURRENT APPLICATION NUMBER: US/09/139,617
; CURRENT FILING DATE: 1998-08-25
; EARLIER APPLICATION NUMBER: 60/058,271
; EARLIER FILING DATE: 1997-09-08
; EARLIER APPLICATION NUMBER: 60/060,520
; EARLIER FILING DATE: 1997-09-30
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 1647
; TYPE: DNA
; ORGANISM: HUMAN
US-09-139-617-2

Query Match 96.9%; Score 1634; DB 3; Length 1647;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1637; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

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Qy         45 CCTTTGTGCCTCTTCTTGCAAGGTGTTTTCTCAGCTGCTATCTCAAGACATGGATATAAA 104

Db          6 CTTTGTAGCCTCTTCTTGCAAGGTGTTTTCTCAGCTGTTATCTCAAGACATGGATATAAA 65

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Qy        165 CCTGGAGCACGGCTCCATATACATACCTTCCTCCTATGTAGACAGCCACCATGAATATCC 224

Db        126 CCTGGAGCACGGCTCCATATACATACCTTCCTCCTATGTAGACAGCCACCATGAATATCC 185

Qy        225 AGCCATGACATTCTATAGCCCTGCTGTGATGAATTACAGCATTCCCAGCAATGTCACTAA 284

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Qy        285 CTTGGAAGGTGGGCCTGGTCGGCAGACCACAAGCCCAAATGTGTTGTGGCCAACACCTGG 344

Db        246 CTTGGAAGGTGGGCCTGGTCGGCAGACCACAAGCCCAAATGTGTTGTGGCCAACACCTGG 305

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Db        306 GCACCTTTCTCCTTTAGTGGTCCATCGCCAGTTATCACATCTGTATGCGGAACCTCAAAA 365

Qy        405 GAGTCCCTGGTGTGAAGCAAGATCGCTAGAACACACCTTACCTGTAAACAGAGAGACACT 464

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Db        486 GGATGCTCACTTCTGCGCTGTCTGCAGCGATTACGCATCGGGATATCACTATGGAGTCTG 545
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Qy       585 GTCGTGTGAAGGATGTAAGGCCTTTTTTAAAAGAAGCATTCAAGGACATAATGATTATAT 644
Db       546 GTCGTGTGAAGGATGTAAGGCCTTTTTTAAAAGAAGCATTCAAGGACATAATGATTATAT 605

Qy       645 TTGTCCAGCTACAAATCAGTGTACAATCGATAAAAACCGGCGCAAGAGCTGCCAGGCCTG 704
Db       606 TTGTCCAGCTACAAATCAGTGTACAATCGATAAAAACCGGCGCAAGAGCTGCCAGGCCTG 665

Qy       705 CCGACTTCGGAAGTGTTACGAAGTGGGAATGGTGAAGTGTGGCTCCCGGAGAGAGAGATG 764
Db       666 CCGACTTCGGAAGTGTTACGAAGTGGGAATGGTGAAGTGTGGCTCCCGGAGAGAGAGATG 725

Qy       765 TGGGTACCGCCTTGTGCGGAGACAGAGAAGTGCCGACGAGCAGCTGCACTGTGCCGGCAA 824
Db       726 TGGGTACCGCCTTGTGCGGAGACAGAGAAGTGCCGACGAGCAGCTGCACTGTGCCGGCAA 785

Qy       825 GGCCAAGAGAAGTGGCGGCCACGCGCCCCGAGTGCGGGAGCTGCTGCTGGACGCCCTGAG 884
Db       786 GGCCAAGAGAAGTGGCGGCCACGCGCCCCGAGTGCGGGAGCTGCTGCTGGACGCCCTGAG 845

Qy       885 CCCCGAGCAGCTAGTGCTCACCCTCCTGGAGGCTGAGCCGCCCCATGTGCTGATCAGCCG 944
Db       846 CCCCGAGCAGCTAGTGCTCACCCTCCTGGAGGCTGAGCCGCCCCATGTGCTGATCAGCCG 905

Qy       945 CCCCAGTGCGCCCTTCACCGAGGCCTCCATGATGATGTCCCTGACCAAGTTGGCCGACAA 1004
Db       906 CCCCAGTGCGCCCTTCACCGAGGCCTCCATGATGATGTCCCTGACCAAGTTGGCCGACAA 965

Qy      1005 GGAGTTGGTACACATGATCAGCTGGGCCAAGAAGATTCCCGGCTTTGTGGAGCTCAGCCT 1064
Db       966 GGAGTTGGTACACATGATCAGCTGGGCCAAGAAGATTCCCGGCTTTGTGGAGCTCAGCCT 1025

Qy      1065 GTTCGACCAAGTGCGGCTCTTGGAGAGCTGTTGGATGGAGGTGTTAATGATGGGGCTGAT 1124
Db      1026 GTTCGACCAAGTGCGGCTCTTGGAGAGCTGTTGGATGGAGGTGTTAATGATGGGGCTGAT 1085

Qy      1125 GTGGCGCTCAATTGACCACCCCGGCAAGCTCATCTTTGCTCCAGATCTTGTTCTGGACAG 1184
Db      1086 GTGGCGCTCAATTGACCACCCCGGCAAGCTCATCTTTGCTCCAGATCTTGTTCTGGACAG 1145

Qy      1185 GGATGAGGGGAAATGCGTAGAAGGAATTCTGGAAATCTTTGACATGCTCCTGGCAACTAC 1244
Db      1146 GGATGAGGGGAAATGCGTAGAAGGAATTCTGGAAATCTTTGACATGCTCCTGGCAACTAC 1205

Qy      1245 TTCAAGGTTTCGAGAGTTAAAACTCCAACACAAAGAATATCTCTGTGTCAAGGCCATGAT 1304
Db      1206 TTCAAGGTTTCGAGAGTTAAAACTCCAACACAAAGAATATCTCTGTGTCAAGGCCATGAT 1265

Qy      1305 CCTGCTCAATTCCAGTATGTACCCTCTGGTCACAGCGACCCAGGATGCTGACAGCAGCCG 1364
Db      1266 CCTGCTCAATTCCAGTATGTACCCTCTGGTCACAGCGACCCAGGATGCTGACAGCAGCCG 1325

Qy      1365 GAAGCTGGCTCACTTGCTGAACGCCGTGACCGATGCTTTGGTTTGGGTGATTGCCAAGAG 1424
Db      1326 GAAGCTGGCTCACTTGCTGAACGCCGTGACCGATGCTTTGGTTTGGGTGATTGCCAAGAG 1385

Qy      1425 CGGCATCTCCTCCCAGCAGCAATCCATGCGCCTGGCTAACCTCCTGATGCTCCTGTCCCA 1484
Db      1386 CGGCATCTCCTCCCAGCAGCAATCCATGCGCCTGGCTAACCTCCTGATGCTCCTGTCCCA 1445

Qy      1485 CGTCAGGCATGCGAGTAACAAGGGCATGGAACATCTGCTCAACATGAAGTGCAAAAATGT 1544
Db      1446 CGTCAGGCATGCGAGTAACAAGGGCATGGAACATCTGCTCAACATGAAGTGCAAAAATGT 1505

Qy      1545 GGTCCCAGTGTATGACCTGCTGCTGGAGATGCTGAATGCCCACGTGCTTCGCGGGTGCAA 1604
Db      1506 GGTCCCAGTGTATGACCTGCTGCTGGAGATGCTGAATGCCCACGTGCTTCGCGGGTGCAA 1565

Qy      1605 GTCCTCCATCACGGGGTCCGAGTGCAGCCCGGCAGAGGACAGTAAAAGCAAAGAGGGCTC 1664
Db      1566 GTCCTCCATCACGGGGTCCGAGTGCAGCCCGGCAGAGGACAGTAAAAGCAAAGAGGGCTC 1625

Qy      1665 CCAGAACCCACAGTCTCAGTGA 1686
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Db      1626 CCAGAACCCACAGTCTCAGTGA 1647
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RESULT 6
US-09-561-741A-2
; Sequence 2, Application US/09561741A
; Patent No. 6458551
; GENERAL INFORMATION:
; APPLICANT: WILKINSON, HILARY
; TITLE OF INVENTION: ESTROGEN RECEPTOR
; FILE REFERENCE: 20047Y
; CURRENT APPLICATION NUMBER: US/09/561,741A
; CURRENT FILING DATE: 2000-04-26
; PRIOR APPLICATION NUMBER: 09/139,617
; PRIOR FILING DATE: 1998-08-25
; PRIOR APPLICATION NUMBER: 60/058,271
; PRIOR FILING DATE: 1997-09-08
; PRIOR APPLICATION NUMBER: 60/060,520
; PRIOR FILING DATE: 1997-09-30
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 1647
; TYPE: DNA
; ORGANISM: HUMAN
US-09-561-741A-2

Query Match 96.9%; Score 1634; DB 3; Length 1647;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1637; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

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Qy        45 CCTTTGTGCCTCTTCTTGCAAGGTGTTTTCTCAGCTGCTATCTCAAGACATGGATATAAA 104
             | ||   ||||||||||||||||||||||||||||||| ||||||||||||||||||||
Db         6 CTTTGTAGCCTCTTCTTGCAAGGTGTTTTCTCAGCTGTTATCTCAAGACATGGATATAAA 65

Qy       105 AAACTCACCATCTAGCCTTAATTCTCCTTCCTCCTACAACTGCAGTCAATCCATCTTACC 164
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        66 AAACTCACCATCTAGCCTTAATTCTCCTTCCTCCTACAACTGCAGTCAATCCATCTTACC 125

Qy       165 CCTGGAGCACGGCTCCATATACATACCTTCCTCCTATGTAGACAGCCACCATGAATATCC 224
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       126 CCTGGAGCACGGCTCCATATACATACCTTCCTCCTATGTAGACAGCCACCATGAATATCC 185

Qy       225 AGCCATGACATTCTATAGCCCTGCTGTGATGAATTACAGCATTCCCAGCAATGTCACTAA 284
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       186 AGCCATGACATTCTATAGCCCTGCTGTGATGAATTACAGCATTCCCAGCAATGTCACTAA 245

Qy       285 CTTGGAAGGTGGGCCTGGTCGGCAGACCACAAGCCCAAATGTGTTGTGGCCAACACCTGG 344
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       246 CTTGGAAGGTGGGCCTGGTCGGCAGACCACAAGCCCAAATGTGTTGTGGCCAACACCTGG 305

Qy       345 GCACCTTTCTCCTTTAGTGGTCCATCGCCAGTTATCACATCTGTATGCGGAACCTCAAAA 404
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Db       306 GCACCTTTCTCCTTTAGTGGTCCATCGCCAGTTATCACATCTGTATGCGGAACCTCAAAA 365

Qy       405 GAGTCCCTGGTGTGAAGCAAGATCGCTAGAACACACCTTACCTGTAAACAGAGAGACACT 464
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Db       366 GAGTCCCTGGTGTGAAGCAAGATCGCTAGAACACACCTTACCTGTAAACAGAGAGACACT 425

Qy       465 GAAAAGGAAGGTTAGTGGGAACCGTTGCGCCAGCCCTGTTACTGGTCCAGGTTCAAAGAG 524
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Db       426 GAAAAGGAAGGTTAGTGGGAACCGTTGCGCCAGCCCTGTTACTGGTCCAGGTTCAAAGAG 485

Qy       525 GGATGCTCACTTCTGCGCTGTCTGCAGCGATTACGCATCGGGATATCACTATGGAGTCTG 584
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Db       486 GGATGCTCACTTCTGCGCTGTCTGCAGCGATTACGCATCGGGATATCACTATGGAGTCTG 545

Qy       585 GTCGTGTGAAGGATGTAAGGCCTTTTTTAAAAGAAGCATTCAAGGACATAATGATTATAT 644
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       546 GTCGTGTGAAGGATGTAAGGCCTTTTTTAAAAGAAGCATTCAAGGACATAATGATTATAT 605

Qy       645 TTGTCCAGCTACAAATCAGTGTACAATCGATAAAAACCGGCGCAAGAGCTGCCAGGCCTG 704
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Db        606 TTGTCCAGCTACAAATCAGTGTACAATCGATAAAAACCGGCGCAAGAGCTGCCAGGCCTG 665

Qy        705 CCGACTTCGGAAGTGTTACGAAGTGGGAATGGTGAAGTGTGGCTCCCGGAGAGAGAGATG 764
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Db        666 CCGACTTCGGAAGTGTTACGAAGTGGGAATGGTGAAGTGTGGCTCCCGGAGAGAGAGATG 725

Qy        765 TGGGTACCGCCTTGTGCGGAGACAGAGAAGTGCCGACGAGCAGCTGCACTGTGCCGGCAA 824
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Db        726 TGGGTACCGCCTTGTGCGGAGACAGAGAAGTGCCGACGAGCAGCTGCACTGTGCCGGCAA 785

Qy        825 GGCCAAGAGAAGTGGCGGCCACGCGCCCCGAGTGCGGGAGCTGCTGCTGGACGCCCTGAG 884
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        786 GGCCAAGAGAAGTGGCGGCCACGCGCCCCGAGTGCGGGAGCTGCTGCTGGACGCCCTGAG 845

Qy        885 CCCCGAGCAGCTAGTGCTCACCCTCCTGGAGGCTGAGCCGCCCCATGTGCTGATCAGCCG 944
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        846 CCCCGAGCAGCTAGTGCTCACCCTCCTGGAGGCTGAGCCGCCCCATGTGCTGATCAGCCG 905

Qy        945 CCCCAGTGCGCCCTTCACCGAGGCCTCCATGATGATGTCCCTGACCAAGTTGGCCGACAA 1004
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Qy       1005 GGAGTTGGTACACATGATCAGCTGGGCCAAGAAGATTCCCGGCTTTGTGGAGCTCAGCCT 1064
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Db        966 GGAGTTGGTACACATGATCAGCTGGGCCAAGAAGATTCCCGGCTTTGTGGAGCTCAGCCT 1025

Qy       1065 GTTCGACCAAGTGCGGCTCTTGGAGAGCTGTTGGATGGAGGTGTTAATGATGGGGCTGAT 1124
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1026 GTTCGACCAAGTGCGGCTCTTGGAGAGCTGTTGGATGGAGGTGTTAATGATGGGGCTGAT 1085

Qy       1125 GTGGCGCTCAATTGACCACCCCGGCAAGCTCATCTTTGCTCCAGATCTTGTTCTGGACAG 1184
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Db       1086 GTGGCGCTCAATTGACCACCCCGGCAAGCTCATCTTTGCTCCAGATCTTGTTCTGGACAG 1145

Qy       1185 GGATGAGGGGAAATGCGTAGAAGGAATTCTGGAAATCTTTGACATGCTCCTGGCAACTAC 1244
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Qy       1245 TTCAAGGTTTCGAGAGTTAAAACTCCAACACAAAGAATATCTCTGTGTCAAGGCCATGAT 1304
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Db       1206 TTCAAGGTTTCGAGAGTTAAAACTCCAACACAAAGAATATCTCTGTGTCAAGGCCATGAT 1265

Qy       1305 CCTGCTCAATTCCAGTATGTACCCTCTGGTCACAGCGACCCAGGATGCTGACAGCAGCCG 1364
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1266 CCTGCTCAATTCCAGTATGTACCCTCTGGTCACAGCGACCCAGGATGCTGACAGCAGCCG 1325

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Db       1326 GAAGCTGGCTCACTTGCTGAACGCCGTGACCGATGCTTTGGTTTGGGTGATTGCCAAGAG 1385

Qy       1425 CGGCATCTCCTCCCAGCAGCAATCCATGCGCCTGGCTAACCTCCTGATGCTCCTGTCCCA 1484
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Db       1386 CGGCATCTCCTCCCAGCAGCAATCCATGCGCCTGGCTAACCTCCTGATGCTCCTGTCCCA 1445

Qy       1485 CGTCAGGCATGCGAGTAACAAGGGCATGGAACATCTGCTCAACATGAAGTGCAAAAATGT 1544
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Db       1446 CGTCAGGCATGCGAGTAACAAGGGCATGGAACATCTGCTCAACATGAAGTGCAAAAATGT 1505

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Qy       1605 GTCCTCCATCACGGGGTCCGAGTGCAGCCCGGCAGAGGACAGTAAAAGCAAAGAGGGCTC 1664
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Db       1566 GTCCTCCATCACGGGGTCCGAGTGCAGCCCGGCAGAGGACAGTAAAAGCAAAGAGGGCTC 1625

Qy       1665 CCAGAACCCACAGTCTCAGTGA 1686
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Db       1626 CCAGAACCCACAGTCTCAGTGA 1647
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RESULT 7

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US-09-558-795-2
; Sequence 2, Application US/09558795
; Patent No. 6562592
; GENERAL INFORMATION:
;  APPLICANT: WILKINSON, HILARY
;  TITLE OF INVENTION: ESTROGEN RECEPTOR
;  FILE REFERENCE: 20047Y
;  CURRENT APPLICATION NUMBER: US/09/558,795
;  CURRENT FILING DATE:  2000-04-26
;  PRIOR APPLICATION NUMBER: 09/139,617
;  PRIOR FILING DATE: 1998-08-25
;  PRIOR APPLICATION NUMBER: 60/058,271
;  PRIOR FILING DATE: 1997-09-08
;  PRIOR APPLICATION NUMBER: 60/060,520
;  PRIOR FILING DATE: 1997-09-30
;  NUMBER OF SEQ ID NOS: 22
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 2
;   LENGTH: 1647
;   TYPE: DNA
;   ORGANISM: HUMAN
US-09-558-795-2

  Query Match            96.9%;  Score 1634;  DB 4;  Length 1647;
  Best Local Similarity  99.7%;  Pred. No. 0;
  Matches 1637;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy         45 CCTTTGTGCCTCTTCTTGCAAGGTGTTTTCTCAGCTGCTATCTCAAGACATGGATATAAA 104
              |||   ||||||||||||||||||||||||||||||||||| ||||||||||||||||||||
Db          6 CTTTGTAGCCTCTTCTTGCAAGGTGTTTTCTCAGCTGTTATCTCAAGACATGGATATAAA 65

Qy        105 AAACTCACCATCTAGCCTTAATTCTCCTTCCTCCTACAACTGCAGTCAATCCATCTTACC 164
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         66 AAACTCACCATCTAGCCTTAATTCTCCTTCCTCCTACAACTGCAGTCAATCCATCTTACC 125

Qy        165 CCTGGAGCACGGCTCCATATACATACCTTCCTCCTATGTAGACAGCCACCATGAATATCC 224
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        126 CCTGGAGCACGGCTCCATATACATACCTTCCTCCTATGTAGACAGCCACCATGAATATCC 185

Qy        225 AGCCATGACATTCTATAGCCCTGCTGTGATGAATTACAGCATTCCCAGCAATGTCACTAA 284
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        186 AGCCATGACATTCTATAGCCCTGCTGTGATGAATTACAGCATTCCCAGCAATGTCACTAA 245

Qy        285 CTTGGAAGGTGGGCCTGGTCGGCAGACCACAAGCCCAAATGTGTTGTGGCCAACACCTGG 344
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        246 CTTGGAAGGTGGGCCTGGTCGGCAGACCACAAGCCCAAATGTGTTGTGGCCAACACCTGG 305

Qy        345 GCACCTTTCTCCTTTAGTGGTCCATCGCCAGTTATCACATCTGTATGCGGAACCTCAAAA 404
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        306 GCACCTTTCTCCTTTAGTGGTCCATCGCCAGTTATCACATCTGTATGCGGAACCTCAAAA 365

Qy        405 GAGTCCCTGGTGTGAAGCAAGATCGCTAGAACACACCTTACCTGTAAACAGAGAGACACT 464
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        366 GAGTCCCTGGTGTGAAGCAAGATCGCTAGAACACACCTTACCTGTAAACAGAGAGACACT 425

Qy        465 GAAAAGGAAGGTTAGTGGGAACCGTTGCGCCAGCCCTGTTACTGGTCCAGGTTCAAAGAG 524
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Db        426 GAAAAGGAAGGTTAGTGGGAACCGTTGCGCCAGCCCTGTTACTGGTCCAGGTTCAAAGAG 485

Qy        525 GGATGCTCACTTCTGCGCTGTCTGCAGCGATTACGCATCGGGATATCACTATGGAGTCTG 584
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Db        486 GGATGCTCACTTCTGCGCTGTCTGCAGCGATTACGCATCGGGATATCACTATGGAGTCTG 545

Qy        585 GTCGTGTGAAGGATGTAAGGCCTTTTTTAAAAGAAGCATTCAAGGACATAATGATTATAT 644
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        546 GTCGTGTGAAGGATGTAAGGCCTTTTTTAAAAGAAGCATTCAAGGACATAATGATTATAT 605

Qy        645 TTGTCCAGCTACAAATCAGTGTACAATCGATAAAAACCGGCGCAAGAGCTGCCAGGCCTG 704
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        606 TTGTCCAGCTACAAATCAGTGTACAATCGATAAAAACCGGCGCAAGAGCTGCCAGGCCTG 665

Qy        705 CCGACTTCGGAAGTGTTACGAAGTGGGAATGGTGAAGTGTGGCTCCCGGAGAGAGAGATG 764
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Db        666 CCGACTTCGGAAGTGTTACGAAGTGGGAATGGTGAAGTGTGGCTCCCGGAGAGAGAGATG 725

Qy        765 TGGGTACCGCCTTGTGCGGAGACAGAGAAGTGCCGACGAGCAGCTGCACTGTGCCGGCAA 824
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        726 TGGGTACCGCCTTGTGCGGAGACAGAGAAGTGCCGACGAGCAGCTGCACTGTGCCGGCAA 785

Qy        825 GGCCAAGAGAAGTGGCGGCCACGCGCCCCGAGTGCGGGAGCTGCTGCTGGACGCCCTGAG 884
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        786 GGCCAAGAGAAGTGGCGGCCACGCGCCCCGAGTGCGGGAGCTGCTGCTGGACGCCCTGAG 845

Qy        885 CCCCGAGCAGCTAGTGCTCACCCTCCTGGAGGCTGAGCCGCCCCATGTGCTGATCAGCCG 944
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        846 CCCCGAGCAGCTAGTGCTCACCCTCCTGGAGGCTGAGCCGCCCCATGTGCTGATCAGCCG 905

Qy        945 CCCCAGTGCGCCCTTCACCGAGGCCTCCATGATGATGTCCCTGACCAAGTTGGCCGACAA 1004
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        906 CCCCAGTGCGCCCTTCACCGAGGCCTCCATGATGATGTCCCTGACCAAGTTGGCCGACAA 965

Qy       1005 GGAGTTGGTACACATGATCAGCTGGGCCAAGAAGATTCCCGGCTTTGTGGAGCTCAGCCT 1064
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        966 GGAGTTGGTACACATGATCAGCTGGGCCAAGAAGATTCCCGGCTTTGTGGAGCTCAGCCT 1025

Qy       1065 GTTCGACCAAGTGCGGCTCTTGGAGAGCTGTTGGATGGAGGTGTTAATGATGGGGCTGAT 1124
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1026 GTTCGACCAAGTGCGGCTCTTGGAGAGCTGTTGGATGGAGGTGTTAATGATGGGGCTGAT 1085

Qy       1125 GTGGCGCTCAATTGACCACCCCGGCAAGCTCATCTTTGCTCCAGATCTTGTTCTGGACAG 1184
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1086 GTGGCGCTCAATTGACCACCCCGGCAAGCTCATCTTTGCTCCAGATCTTGTTCTGGACAG 1145

Qy       1185 GGATGAGGGGAAATGCGTAGAAGGAATTCTGGAAATCTTTGACATGCTCCTGGCAACTAC 1244
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1146 GGATGAGGGGAAATGCGTAGAAGGAATTCTGGAAATCTTTGACATGCTCCTGGCAACTAC 1205

Qy       1245 TTCAAGGTTTCGAGAGTTAAAACTCCAACACAAAGAATATCTCTGTGTCAAGGCCATGAT 1304
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1206 TTCAAGGTTTCGAGAGTTAAAACTCCAACACAAAGAATATCTCTGTGTCAAGGCCATGAT 1265

Qy       1305 CCTGCTCAATTCCAGTATGTACCCTCTGGTCACAGCGACCCAGGATGCTGACAGCAGCCG 1364
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1266 CCTGCTCAATTCCAGTATGTACCCTCTGGTCACAGCGACCCAGGATGCTGACAGCAGCCG 1325

Qy       1365 GAAGCTGGCTCACTTGCTGAACGCCGTGACCGATGCTTTGGTTTGGGTGATTGCCAAGAG 1424
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1326 GAAGCTGGCTCACTTGCTGAACGCCGTGACCGATGCTTTGGTTTGGGTGATTGCCAAGAG 1385

Qy       1425 CGGCATCTCCTCCCAGCAGCAATCCATGCGCCTGGCTAACCTCCTGATGCTCCTGTCCCA 1484
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1386 CGGCATCTCCTCCCAGCAGCAATCCATGCGCCTGGCTAACCTCCTGATGCTCCTGTCCCA 1445

Qy       1485 CGTCAGGCATGCGAGTAACAAGGGCATGGAACATCTGCTCAACATGAAGTGCAAAAATGT 1544
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1446 CGTCAGGCATGCGAGTAACAAGGGCATGGAACATCTGCTCAACATGAAGTGCAAAAATGT 1505

Qy       1545 GGTCCCAGTGTATGACCTGCTGCTGGAGATGCTGAATGCCCACGTGCTTCGCGGGTGCAA 1604
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1506 GGTCCCAGTGTATGACCTGCTGCTGGAGATGCTGAATGCCCACGTGCTTCGCGGGTGCAA 1565

Qy       1605 GTCCTCCATCACGGGGTCCGAGTGCAGCCCGGCAGAGGACAGTAAAAGCAAAGAGGGCTC 1664
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1566 GTCCTCCATCACGGGGTCCGAGTGCAGCCCGGCAGAGGACAGTAAAAGCAAAGAGGGCTC 1625

Qy       1665 CCAGAACCCACAGTCTCAGTGA 1686
              |||||||||||||||||||||||
Db       1626 CCAGAACCCACAGTCTCAGTGA 1647


RESULT 8
US-08-836-620A-4
; Sequence 4, Application US/08836620A
; Patent No. 5958710
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  Orphan receptor
;    NUMBER OF SEQUENCES:  19
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/836,620A
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/EP96/03933
;      FILING DATE:
;      APPLICATION NUMBER:  GB 9518272.1
;      FILING DATE:  08-SEP-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9605550.4
;      FILING DATE:  15-MAR-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9607532.0
;      FILING DATE:  11-APR-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9609576.5
;      FILING DATE:  08-MAY-1996
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  1460 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    ORIGINAL SOURCE:
;      ORGANISM:  Homo sapiens
US-08-836-620A-4

  Query Match             86.2%;  Score 1453.6;  DB 2;  Length 1460;
  Best Local Similarity   99.7%;  Pred. No. 0;
  Matches 1456;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        227 CCATGACATTCTATAGCCCTGCTGTGATGAATTACAGCATTCCCAGCAATGTCACTAACT 286
              | |||||||||| || ||||||||||||||||||||||||||||||||||||||||||||
Db          1 CTATGACATTCTACAGTCCTGCTGTGATGAATTACAGCATTCCCAGCAATGTCACTAACT 60

Qy        287 TGGAAGGTGGGCCTGGTCGGCAGACCACAAGCCCAAATGTGTTGTGGCCAACACCTGGGC 346
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 TGGAAGGTGGGCCTGGTCGGCAGACCACAAGCCCAAATGTGTTGTGGCCAACACCTGGGC 120

Qy        347 ACCTTTCTCCTTTAGTGGTCCATCGCCAGTTATCACATCTGTATGCGGAACCTCAAAAGA 406
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 ACCTTTCTCCTTTAGTGGTCCATCGCCAGTTATCACATCTGTATGCGGAACCTCAAAAGA 180

Qy        407 GTCCCTGGTGTGAAGCAAGATCGCTAGAACACACCTTACCTGTAAACAGAGAGACACTGA 466
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 GTCCCTGGTGTGAAGCAAGATCGCTAGAACACACCTTACCTGTAAACAGAGAGACACTGA 240

Qy        467 AAAGGAAGGTTAGTGGGAACCGTTGCGCCAGCCCTGTTACTGGTCCAGGTTCAAAGAGGG 526
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 AAAGGAAGGTTAGTGGGAACCGTTGCGCCAGCCCTGTTACTGGTCCAGGTTCAAAGAGGG 300

Qy        527 ATGCTCACTTCTGCGCTGTCTGCAGCGATTACGCATCGGGATATCACTATGGAGTCTGGT 586
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 ATGCTCACTTCTGCGCTGTCTGCAGCGATTACGCATCGGGATATCACTATGGAGTCTGGT 360

Qy        587 CGTGTGAAGGATGTAAGGCCTTTTTTAAAAGAAGCATTCAAGGACATAATGATTATATTT 646
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        361 CGTGTGAAGGATGTAAGGCCTTTTTTAAAAGAAGCATTCAAGGACATAATGATTATATTT 420

Qy        647 GTCCAGCTACAAATCAGTGTACAATCGATAAAAACCGGCGCAAGAGCTGCCAGGCCTGCC 706
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        421 GTCCAGCTACAAATCAGTGTACAATCGATAAAAACCGGCGCAAGAGCTGCCAGGCCTGCC 480

Qy        707 GACTTCGGAAGTGTTACGAAGTGGGAATGGTGAAGTGTGGCTCCCGGAGAGAGAGATGTG 766
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Db        481 GACTTCGGAAGTGTTACGAAGTGGGAATGGTGAAGTGTGGCTCCCGGAGAGAGAGATGTG 540
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Qy        767 GGTACCGCCTTGTGCGGAGACAGAGAAGTGCCGACGAGCAGCTGCACTGTGCCGGCAAGG 826
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        541 GGTACCGCCTTGTGCGGAGACAGAGAAGTGCCGACGAGCAGCTGCACTGTGCCGGCAAGG 600

Qy        827 CCAAGAGAAGTGGCGGCCACGCGCCCCGAGTGCGGGAGCTGCTGCTGGACGCCCTGAGCC 886
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        601 CCAAGAGAAGTGGCGGCCACGCGCCCCGAGTGCGGGAGCTGCTGCTGGACGCCCTGAGCC 660

Qy        887 CCGAGCAGCTAGTGCTCACCCTCCTGGAGGCTGAGCCGCCCCATGTGCTGATCAGCCGCC 946
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        661 CCGAGCAGCTAGTGCTCACCCTCCTGGAGGCTGAGCCGCCCCATGTGCTGATCAGCCGCC 720

Qy        947 CCAGTGCGCCCTTCACCGAGGCCTCCATGATGATGTCCCTGACCAAGTTGGCCGACAAGG 1006
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        721 CCAGTGCGCCCTTCACCGAGGCCTCCATGATGATGTCCCTGACCAAGTTGGCCGACAAGG 780

Qy       1007 AGTTGGTACACATGATCAGCTGGGCCAAGAAGATTCCCGGCTTTGTGGAGCTCAGCCTGT 1066
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        781 AGTTGGTACACATGATCAGCTGGGCCAAGAAGATTCCCGGCTTTGTGGAGCTCAGCCTGT 840

Qy       1067 TCGACCAAGTGCGGCTCTTGGAGAGCTGTTGGATGGAGGTGTTAATGATGGGGCTGATGT 1126
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        841 TCGACCAAGTGCGGCTCTTGGAGAGCTGTTGGATGGAGGTGTTAATGATGGGGCTGATGT 900

Qy       1127 GGCGCTCAATTGACCACCCCGGCAAGCTCATCTTTGCTCCAGATCTTGTTCTGGACAGGG 1186
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        901 GGCGCTCAATTGACCACCCCGGCAAGCTCATCTTTGCTCCAGATCTTGTTCTGGACAGGG 960

Qy       1187 ATGAGGGGAAATGCGTAGAAGGAATTCTGGAAATCTTTGACATGCTCCTGGCAACTACTT 1246
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        961 ATGAGGGGAAATGCGTAGAAGGAATTCTGGAAATCTTTGACATGCTCCTGGCAACTACTT 1020

Qy       1247 CAAGGTTTCGAGAGTTAAAACTCCAACACAAAGAATATCTCTGTGTCAAGGCCATGATCC 1306
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1021 CAAGGTTTCGAGAGTTAAAACTCCAACACAAAGAATATCTCTGTGTCAAGGCCATGATCC 1080

Qy       1307 TGCTCAATTCCAGTATGTACCCTCTGGTCACAGCGACCCAGGATGCTGACAGCAGCCGGA 1366
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1081 TGCTCAATTCCAGTATGTACCCTCTGGTCACAGCGACCCAGGATGCTGACAGCAGCCGGA 1140

Qy       1367 AGCTGGCTCACTTGCTGAACGCCGTGACCGATGCTTTGGTTTGGGTGATTGCCAAGAGCG 1426
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1141 AGCTGGCTCACTTGCTGAACGCCGTGACCGATGCTTTGGTTTGGGTGATTGCCAAGAGCG 1200

Qy       1427 GCATCTCCTCCCAGCAGCAATCCATGCGCCTGGCTAACCTCCTGATGCTCCTGTCCCACG 1486
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1201 GCATCTCCTCCCAGCAGCAATCCATGCGCCTGGCTAACCTCCTGATGCTCCTGTCCCACG 1260

Qy       1487 TCAGGCATGCGAGTAACAAGGGCATGGAACATCTGCTCAACATGAAGTGCAAAAATGTGG 1546
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1261 TCAGGCATGCGAGTAACAAGGGCATGGAACATCTGCTCAACATGAAGTGCAAAAATGTGG 1320

Qy       1547 TCCCAGTGTATGACCTGCTGCTGGAGATGCTGAATGCCCACGTGCTTCGCGGGTGCAAGT 1606
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1321 TCCCAGTGTATGACCTGCTGCTGGAGATGCTGAATGCCCACGTGCTTCGCGGGTGCAAGT 1380

Qy       1607 CCTCCATCACGGGGTCCGAGTGCAGCCCGGCAGAGGACAGTAAAAGCAAAGAGGGCTCCC 1666
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1381 CCTCCATCACGGGGTCCGAGTGCAGCCCGGCAGAGGACAGTAAAAGCAAAGAGGGCTCCC 1440

Qy       1667 AGAACCCACAGTCTCAGTGA 1686
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Db       1441 AGAACCTACAGTCTCAGTGA 1460
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RESULT 9
US-09-608-088-1
; Sequence 1, Application US/09608088
; Patent No. 6680368
; GENERAL INFORMATION:
; APPLICANT: Mosselman, Sietse
; APPLICANT: Dijkema, Rein
; TITLE OF INVENTION: No. 6680368el Estrogen Receptor
; FILE REFERENCE: O/96193 US/D1
; CURRENT APPLICATION NUMBER: US/09/608,088
; CURRENT FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 08/826,361
; PRIOR FILING DATE: 1997-03-26
; PRIOR APPLICATION NUMBER: EP 96203284.3
; PRIOR FILING DATE: 1996-11-22
; PRIOR APPLICATION NUMBER: EP 96200820.7
; PRIOR FILING DATE: 1996-03-26
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 1434
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-608-088-1

Query Match 85.1%; Score 1434; DB 4; Length 1434;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1434; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy        253 ATGAATTACAGCATTCCCAGCAATGTCACTAACTTGGAAGGTGGGCCTGGTCGGCAGACC 312
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Db          1 ATGAATTACAGCATTCCCAGCAATGTCACTAACTTGGAAGGTGGGCCTGGTCGGCAGACC 60

Qy        313 ACAAGCCCAAATGTGTTGTGGCCAACACCTGGGCACCTTTCTCCTTTAGTGGTCCATCGC 372
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 ACAAGCCCAAATGTGTTGTGGCCAACACCTGGGCACCTTTCTCCTTTAGTGGTCCATCGC 120

Qy        373 CAGTTATCACATCTGTATGCGGAACCTCAAAAGAGTCCCTGGTGTGAAGCAAGATCGCTA 432
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CAGTTATCACATCTGTATGCGGAACCTCAAAAGAGTCCCTGGTGTGAAGCAAGATCGCTA 180

Qy        433 GAACACACCTTACCTGTAAACAGAGAGACACTGAAAAGGAAGGTTAGTGGGAACCGTTGC 492
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 GAACACACCTTACCTGTAAACAGAGAGACACTGAAAAGGAAGGTTAGTGGGAACCGTTGC 240

Qy        493 GCCAGCCCTGTTACTGGTCCAGGTTCAAAGAGGGATGCTCACTTCTGCGCTGTCTGCAGC 552
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 GCCAGCCCTGTTACTGGTCCAGGTTCAAAGAGGGATGCTCACTTCTGCGCTGTCTGCAGC 300

Qy        553 GATTACGCATCGGGATATCACTATGGAGTCTGGTCGTGTGAAGGATGTAAGGCCTTTTTT 612
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 GATTACGCATCGGGATATCACTATGGAGTCTGGTCGTGTGAAGGATGTAAGGCCTTTTTT 360

Qy        613 AAAAGAAGCATTCAAGGACATAATGATTATATTTGTCCAGCTACAAATCAGTGTACAATC 672
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        361 AAAAGAAGCATTCAAGGACATAATGATTATATTTGTCCAGCTACAAATCAGTGTACAATC 420

Qy        673 GATAAAAACCGGCGCAAGAGCTGCCAGGCCTGCCGACTTCGGAAGTGTTACGAAGTGGGA 732
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        421 GATAAAAACCGGCGCAAGAGCTGCCAGGCCTGCCGACTTCGGAAGTGTTACGAAGTGGGA 480

Qy        733 ATGGTGAAGTGTGGCTCCCGGAGAGAGAGATGTGGGTACCGCCTTGTGCGGAGACAGAGA 792
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        481 ATGGTGAAGTGTGGCTCCCGGAGAGAGAGATGTGGGTACCGCCTTGTGCGGAGACAGAGA 540

Qy        793 AGTGCCGACGAGCAGCTGCACTGTGCCGGCAAGGCCAAGAGAAGTGGCGGCCACGCGCCC 852
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        541 AGTGCCGACGAGCAGCTGCACTGTGCCGGCAAGGCCAAGAGAAGTGGCGGCCACGCGCCC 600

Qy        853 CGAGTGCGGGAGCTGCTGCTGGACGCCCTGAGCCCCGAGCAGCTAGTGCTCACCCTCCTG 912
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        601 CGAGTGCGGGAGCTGCTGCTGGACGCCCTGAGCCCCGAGCAGCTAGTGCTCACCCTCCTG 660

Qy        913 GAGGCTGAGCCGCCCCATGTGCTGATCAGCCGCCCCAGTGCGCCCTTCACCGAGGCCTCC 972
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        661 GAGGCTGAGCCGCCCCATGTGCTGATCAGCCGCCCCAGTGCGCCCTTCACCGAGGCCTCC 720

Qy        973 ATGATGATGTCCCTGACCAAGTTGGCCGACAAGGAGTTGGTACACATGATCAGCTGGGCC 1032
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        721 ATGATGATGTCCCTGACCAAGTTGGCCGACAAGGAGTTGGTACACATGATCAGCTGGGCC 780
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Qy       1033 AAGAAGATTCCCGGCTTTGTGGAGCTCAGCCTGTTCGACCAAGTGCGGCTCTTGGAGAGC 1092
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Db        781 AAGAAGATTCCCGGCTTTGTGGAGCTCAGCCTGTTCGACCAAGTGCGGCTCTTGGAGAGC 840

Qy       1093 TGTTGGATGGAGGTGTTAATGATGGGGCTGATGTGGCGCTCAATTGACCACCCCGGCAAG 1152
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        841 TGTTGGATGGAGGTGTTAATGATGGGGCTGATGTGGCGCTCAATTGACCACCCCGGCAAG 900

Qy       1153 CTCATCTTTGCTCCAGATCTTGTTCTGGACAGGGATGAGGGGAAATGCGTAGAAGGAATT 1212
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        901 CTCATCTTTGCTCCAGATCTTGTTCTGGACAGGGATGAGGGGAAATGCGTAGAAGGAATT 960

Qy       1213 CTGGAAATCTTTGACATGCTCCTGGCAACTACTTCAAGGTTTCGAGAGTTAAAACTCCAA 1272
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        961 CTGGAAATCTTTGACATGCTCCTGGCAACTACTTCAAGGTTTCGAGAGTTAAAACTCCAA 1020

Qy       1273 CACAAAGAATATCTCTGTGTCAAGGCCATGATCCTGCTCAATTCCAGTATGTACCCTCTG 1332
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1021 CACAAAGAATATCTCTGTGTCAAGGCCATGATCCTGCTCAATTCCAGTATGTACCCTCTG 1080

Qy       1333 GTCACAGCGACCCAGGATGCTGACAGCAGCCGGAAGCTGGCTCACTTGCTGAACGCCGTG 1392
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1081 GTCACAGCGACCCAGGATGCTGACAGCAGCCGGAAGCTGGCTCACTTGCTGAACGCCGTG 1140

Qy       1393 ACCGATGCTTTGGTTTGGGTGATTGCCAAGAGCGGCATCTCCTCCCAGCAGCAATCCATG 1452
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1141 ACCGATGCTTTGGTTTGGGTGATTGCCAAGAGCGGCATCTCCTCCCAGCAGCAATCCATG 1200

Qy       1453 CGCCTGGCTAACCTCCTGATGCTCCTGTCCCACGTCAGGCATGCGAGTAACAAGGGCATG 1512
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1201 CGCCTGGCTAACCTCCTGATGCTCCTGTCCCACGTCAGGCATGCGAGTAACAAGGGCATG 1260

Qy       1513 GAACATCTGCTCAACATGAAGTGCAAAAATGTGGTCCCAGTGTATGACCTGCTGCTGGAG 1572
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1261 GAACATCTGCTCAACATGAAGTGCAAAAATGTGGTCCCAGTGTATGACCTGCTGCTGGAG 1320

Qy       1573 ATGCTGAATGCCCACGTGCTTCGCGGGTGCAAGTCCTCCATCACGGGGTCCGAGTGCAGC 1632
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Db       1321 ATGCTGAATGCCCACGTGCTTCGCGGGTGCAAGTCCTCCATCACGGGGTCCGAGTGCAGC 1380

Qy       1633 CCGGCAGAGGACAGTAAAAGCAAAGAGGGCTCCCAGAACCCACAGTCTCAGTGA 1686
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Db       1381 CCGGCAGAGGACAGTAAAAGCAAAGAGGGCTCCCAGAACCCACAGTCTCAGTGA 1434
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RESULT 10
US-09-711-288-1
; Sequence 1, Application US/09711288
; Patent No. 6713270
; GENERAL INFORMATION:
; APPLICANT: Mosselman, Sietse
; APPLICANT: Dijkema, Rein
; TITLE OF INVENTION: No. 6713270el Estrogen Receptor
; FILE REFERENCE: O/96193 US/D2
; CURRENT APPLICATION NUMBER: US/09/711,288
; CURRENT FILING DATE: 2000-11-13
; PRIOR APPLICATION NUMBER: US 08/826,361
; PRIOR FILING DATE: 1997-03-26
; PRIOR APPLICATION NUMBER: EP 96203284.3
; PRIOR FILING DATE: 1996-11-22
; PRIOR APPLICATION NUMBER: EP 96200820.7
; PRIOR FILING DATE: 1996-03-26
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 1434
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-711-288-1

Query Match 85.1%; Score 1434; DB 4; Length 1434;
Best Local Similarity 100.0%; Pred. No. 0;

Matches 1434; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy        253 ATGAATTACAGCATTCCCAGCAATGTCACTAACTTGGAAGGTGGGCCTGGTCGGCAGACC 312
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Db          1 ATGAATTACAGCATTCCCAGCAATGTCACTAACTTGGAAGGTGGGCCTGGTCGGCAGACC 60

Qy        313 ACAAGCCCAAATGTGTTGTGGCCAACACCTGGGCACCTTTCTCCTTTAGTGGTCCATCGC 372
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Db         61 ACAAGCCCAAATGTGTTGTGGCCAACACCTGGGCACCTTTCTCCTTTAGTGGTCCATCGC 120

Qy        373 CAGTTATCACATCTGTATGCGGAACCTCAAAAGAGTCCCTGGTGTGAAGCAAGATCGCTA 432
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Db        121 CAGTTATCACATCTGTATGCGGAACCTCAAAAGAGTCCCTGGTGTGAAGCAAGATCGCTA 180

Qy        433 GAACACACCTTACCTGTAAACAGAGAGACACTGAAAAGGAAGGTTAGTGGGAACCGTTGC 492
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Db        181 GAACACACCTTACCTGTAAACAGAGAGACACTGAAAAGGAAGGTTAGTGGGAACCGTTGC 240

Qy        493 GCCAGCCCTGTTACTGGTCCAGGTTCAAAGAGGGATGCTCACTTCTGCGCTGTCTGCAGC 552
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 GCCAGCCCTGTTACTGGTCCAGGTTCAAAGAGGGATGCTCACTTCTGCGCTGTCTGCAGC 300

Qy        553 GATTACGCATCGGGATATCACTATGGAGTCTGGTCGTGTGAAGGATGTAAGGCCTTTTTT 612
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 GATTACGCATCGGGATATCACTATGGAGTCTGGTCGTGTGAAGGATGTAAGGCCTTTTTT 360

Qy        613 AAAAGAAGCATTCAAGGACATAATGATTATATTTGTCCAGCTACAAATCAGTGTACAATC 672
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Qy        673 GATAAAAACCGGCGCAAGAGCTGCCAGGCCTGCCGACTTCGGAAGTGTTACGAAGTGGGA 732
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Qy        853 CGAGTGCGGGAGCTGCTGCTGGACGCCCTGAGCCCCGAGCAGCTAGTGCTCACCCTCCTG 912
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Qy       1033 AAGAAGATTCCCGGCTTTGTGGAGCTCAGCCTGTTCGACCAAGTGCGGCTCTTGGAGAGC 1092
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Db        841 TGTTGGATGGAGGTGTTAATGATGGGGCTGATGTGGCGCTCAATTGACCACCCCGGCAAG 900

Qy       1153 CTCATCTTTGCTCCAGATCTTGTTCTGGACAGGGATGAGGGGAAATGCGTAGAAGGAATT 1212
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        901 CTCATCTTTGCTCCAGATCTTGTTCTGGACAGGGATGAGGGGAAATGCGTAGAAGGAATT 960

Qy       1213 CTGGAAATCTTTGACATGCTCCTGGCAACTACTTCAAGGTTTCGAGAGTTAAAACTCCAA 1272
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Db       1021 CACAAAGAATATCTCTGTGTCAAGGCCATGATCCTGCTCAATTCCAGTATGTACCCTCTG 1080
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Qy       1333 GTCACAGCGACCCAGGATGCTGACAGCAGCCGGAAGCTGGCTCACTTGCTGAACGCCGTG 1392
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Qy       1393 ACCGATGCTTTGGTTTGGGTGATTGCCAAGAGCGGCATCTCCTCCCAGCAGCAATCCATG 1452
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Db       1321 ATGCTGAATGCCCACGTGCTTCGCGGGTGCAAGTCCTCCATCACGGGGTCCGAGTGCAGC 1380

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RESULT 11
US-09-608-088-2
; Sequence 2, Application US/09608088
; Patent No. 6680368
; GENERAL INFORMATION:
; APPLICANT: Mosselman, Sietse
; APPLICANT: Dijkema, Rein
; TITLE OF INVENTION: No. 6680368el Estrogen Receptor
; FILE REFERENCE: O/96193 US/D1
; CURRENT APPLICATION NUMBER: US/09/608,088
; CURRENT FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 08/826,361
; PRIOR FILING DATE: 1997-03-26
; PRIOR APPLICATION NUMBER: EP 96203284.3
; PRIOR FILING DATE: 1996-11-22
; PRIOR APPLICATION NUMBER: EP 96200820.7
; PRIOR FILING DATE: 1996-03-26
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 1251
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-608-088-2

Query Match 74.0%; Score 1247; DB 4; Length 1251;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1247; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy        253 ATGAATTACAGCATTCCCAGCAATGTCACTAACTTGGAAGGTGGGCCTGGTCGGCAGACC 312
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Db          1 ATGAATTACAGCATTCCCAGCAATGTCACTAACTTGGAAGGTGGGCCTGGTCGGCAGACC 60

Qy        313 ACAAGCCCAAATGTGTTGTGGCCAACACCTGGGCACCTTTCTCCTTTAGTGGTCCATCGC 372
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Qy        433 GAACACACCTTACCTGTAAACAGAGAGACACTGAAAAGGAAGGTTAGTGGGAACCGTTGC 492
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Qy        613 AAAAGAAGCATTCAAGGACATAATGATTATATTTGTCCAGCTACAAATCAGTGTACAATC 672
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              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Db        781 AAGAAGATTCCCGGCTTTGTGGAGCTCAGCCTGTTCGACCAAGTGCGGCTCTTGGAGAGC 840

Qy       1093 TGTTGGATGGAGGTGTTAATGATGGGGCTGATGTGGCGCTCAATTGACCACCCCGGCAAG 1152
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Db       1201 CGCCTGGCTAACCTCCTGATGCTCCTGTCCCACGTCAGGCATGCGAG 1247
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RESULT 12
US-09-711-288-2
; Sequence 2, Application US/09711288
; Patent No. 6713270
; GENERAL INFORMATION:
; APPLICANT: Mosselman, Sietse

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;  APPLICANT:  Dijkema, Rein
;  TITLE OF INVENTION: No. 6713270el Estrogen Receptor
;  FILE REFERENCE: O/96193 US/D2
;  CURRENT APPLICATION NUMBER: US/09/711,288
;  CURRENT FILING DATE:  2000-11-13
;  PRIOR APPLICATION NUMBER: US 08/826,361
;  PRIOR FILING DATE: 1997-03-26
;  PRIOR APPLICATION NUMBER: EP 96203284.3
;  PRIOR FILING DATE: 1996-11-22
;  PRIOR APPLICATION NUMBER: EP 96200820.7
;  PRIOR FILING DATE: 1996-03-26
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
;   LENGTH: 1251
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-711-288-2

  Query Match             74.0%;  Score 1247;  DB 4;  Length 1251;
  Best Local Similarity   100.0%;  Pred. No. 0;
  Matches 1247;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        253 ATGAATTACAGCATTCCCAGCAATGTCACTAACTTGGAAGGTGGGCCTGGTCGGCAGACC 312
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Db          1 ATGAATTACAGCATTCCCAGCAATGTCACTAACTTGGAAGGTGGGCCTGGTCGGCAGACC 60

Qy        313 ACAAGCCCAAATGTGTTGTGGCCAACACCTGGGCACCTTTCTCCTTTAGTGGTCCATCGC 372
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Qy        433 GAACACACCTTACCTGTAAACAGAGAGACACTGAAAAGGAAGGTTAGTGGGAACCGTTGC 492
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Qy        613 AAAAGAAGCATTCAAGGACATAATGATTATATTTGTCCAGCTACAAATCAGTGTACAATC 672
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Db        361 AAAAGAAGCATTCAAGGACATAATGATTATATTTGTCCAGCTACAAATCAGTGTACAATC 420

Qy        673 GATAAAAACCGGCGCAAGAGCTGCCAGGCCTGCCGACTTCGGAAGTGTTACGAAGTGGGA 732
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Qy        733 ATGGTGAAGTGTGGCTCCCGGAGAGAGAGATGTGGGTACCGCCTTGTGCGGAGACAGAGA 792
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Qy        853 CGAGTGCGGGAGCTGCTGCTGGACGCCCTGAGCCCCGAGCAGCTAGTGCTCACCCTCCTG 912
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Db        661 GAGGCTGAGCCGCCCCATGTGCTGATCAGCCGCCCCAGTGCGCCCTTCACCGAGGCCTCC 720

Qy        973 ATGATGATGTCCCTGACCAAGTTGGCCGACAAGGAGTTGGTACACATGATCAGCTGGGCC 1032
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              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        841 TGTTGGATGGAGGTGTTAATGATGGGGCTGATGTGGCGCTCAATTGACCACCCCGGCAAG 900

Qy       1153 CTCATCTTTGCTCCAGATCTTGTTCTGGACAGGGATGAGGGGAAATGCGTAGAAGGAATT 1212
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Db        961 CTGGAAATCTTTGACATGCTCCTGGCAACTACTTCAAGGTTTCGAGAGTTAAAACTCCAA 1020

Qy       1273 CACAAAGAATATCTCTGTGTCAAGGCCATGATCCTGCTCAATTCCAGTATGTACCCTCTG 1332
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Db       1021 CACAAAGAATATCTCTGTGTCAAGGCCATGATCCTGCTCAATTCCAGTATGTACCCTCTG 1080

Qy       1333 GTCACAGCGACCCAGGATGCTGACAGCAGCCGGAAGCTGGCTCACTTGCTGAACGCCGTG 1392
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Db       1081 GTCACAGCGACCCAGGATGCTGACAGCAGCCGGAAGCTGGCTCACTTGCTGAACGCCGTG 1140

Qy       1393 ACCGATGCTTTGGTTTGGGTGATTGCCAAGAGCGGCATCTCCTCCCAGCAGCAATCCATG 1452
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Db       1201 CGCCTGGCTAACCTCCTGATGCTCCTGTCCCACGTCAGGCATGCGAG 1247


RESULT 13
US-09-608-088-20
; Sequence 20, Application US/09608088
; Patent No. 6680368
; GENERAL INFORMATION:
;  APPLICANT: Mosselman, Sietse
;  APPLICANT:  Dijkema, Rein
;  TITLE OF INVENTION: No. 6680368el Estrogen Receptor
;  FILE REFERENCE: O/96193 US/D1
;  CURRENT APPLICATION NUMBER: US/09/608,088
;  CURRENT FILING DATE:  2000-06-30
;  PRIOR APPLICATION NUMBER: US 08/826,361
;  PRIOR FILING DATE: 1997-03-26
;  PRIOR APPLICATION NUMBER: EP 96203284.3
;  PRIOR FILING DATE: 1996-11-22
;  PRIOR APPLICATION NUMBER: EP 96200820.7
;  PRIOR FILING DATE: 1996-03-26
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 20
;   LENGTH: 1257
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-608-088-20

  Query Match             74.0%;  Score 1247;  DB 4;  Length 1257;
  Best Local Similarity   100.0%;  Pred. No. 0;
  Matches 1247;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        253 ATGAATTACAGCATTCCCAGCAATGTCACTAACTTGGAAGGTGGGCCTGGTCGGCAGACC 312
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 ATGAATTACAGCATTCCCAGCAATGTCACTAACTTGGAAGGTGGGCCTGGTCGGCAGACC 60

Qy        313 ACAAGCCCAAATGTGTTGTGGCCAACACCTGGGCACCTTTCTCCTTTAGTGGTCCATCGC 372
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 ACAAGCCCAAATGTGTTGTGGCCAACACCTGGGCACCTTTCTCCTTTAGTGGTCCATCGC 120

Qy        373 CAGTTATCACATCTGTATGCGGAACCTCAAAAGAGTCCCTGGTGTGAAGCAAGATCGCTA 432
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Db        121 CAGTTATCACATCTGTATGCGGAACCTCAAAAGAGTCCCTGGTGTGAAGCAAGATCGCTA 180

Qy        433 GAACACACCTTACCTGTAAACAGAGAGACACTGAAAAGGAAGGTTAGTGGGAACCGTTGC 492
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 GAACACACCTTACCTGTAAACAGAGAGACACTGAAAAGGAAGGTTAGTGGGAACCGTTGC 240

Qy        493 GCCAGCCCTGTTACTGGTCCAGGTTCAAAGAGGGATGCTCACTTCTGCGCTGTCTGCAGC 552
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 GCCAGCCCTGTTACTGGTCCAGGTTCAAAGAGGGATGCTCACTTCTGCGCTGTCTGCAGC 300

Qy        553 GATTACGCATCGGGATATCACTATGGAGTCTGGTCGTGTGAAGGATGTAAGGCCTTTTTT 612
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 GATTACGCATCGGGATATCACTATGGAGTCTGGTCGTGTGAAGGATGTAAGGCCTTTTTT 360

Qy        613 AAAAGAAGCATTCAAGGACATAATGATTATATTTGTCCAGCTACAAATCAGTGTACAATC 672
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        361 AAAAGAAGCATTCAAGGACATAATGATTATATTTGTCCAGCTACAAATCAGTGTACAATC 420

Qy        673 GATAAAAACCGGCGCAAGAGCTGCCAGGCCTGCCGACTTCGGAAGTGTTACGAAGTGGGA 732
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Db        421 GATAAAAACCGGCGCAAGAGCTGCCAGGCCTGCCGACTTCGGAAGTGTTACGAAGTGGGA 480

Qy        733 ATGGTGAAGTGTGGCTCCCGGAGAGAGAGATGTGGGTACCGCCTTGTGCGGAGACAGAGA 792
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Db        481 ATGGTGAAGTGTGGCTCCCGGAGAGAGAGATGTGGGTACCGCCTTGTGCGGAGACAGAGA 540

Qy        793 AGTGCCGACGAGCAGCTGCACTGTGCCGGCAAGGCCAAGAGAAGTGGCGGCCACGCGCCC 852
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        541 AGTGCCGACGAGCAGCTGCACTGTGCCGGCAAGGCCAAGAGAAGTGGCGGCCACGCGCCC 600

Qy        853 CGAGTGCGGGAGCTGCTGCTGGACGCCCTGAGCCCCGAGCAGCTAGTGCTCACCCTCCTG 912
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Qy        913 GAGGCTGAGCCGCCCCATGTGCTGATCAGCCGCCCCAGTGCGCCCTTCACCGAGGCCTCC 972
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        661 GAGGCTGAGCCGCCCCATGTGCTGATCAGCCGCCCCAGTGCGCCCTTCACCGAGGCCTCC 720

Qy        973 ATGATGATGTCCCTGACCAAGTTGGCCGACAAGGAGTTGGTACACATGATCAGCTGGGCC 1032
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        721 ATGATGATGTCCCTGACCAAGTTGGCCGACAAGGAGTTGGTACACATGATCAGCTGGGCC 780

Qy       1033 AAGAAGATTCCCGGCTTTGTGGAGCTCAGCCTGTTCGACCAAGTGCGGCTCTTGGAGAGC 1092
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        781 AAGAAGATTCCCGGCTTTGTGGAGCTCAGCCTGTTCGACCAAGTGCGGCTCTTGGAGAGC 840

Qy       1093 TGTTGGATGGAGGTGTTAATGATGGGGCTGATGTGGCGCTCAATTGACCACCCCGGCAAG 1152
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        841 TGTTGGATGGAGGTGTTAATGATGGGGCTGATGTGGCGCTCAATTGACCACCCCGGCAAG 900

Qy       1153 CTCATCTTTGCTCCAGATCTTGTTCTGGACAGGGATGAGGGGAAATGCGTAGAAGGAATT 1212
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        901 CTCATCTTTGCTCCAGATCTTGTTCTGGACAGGGATGAGGGGAAATGCGTAGAAGGAATT 960

Qy       1213 CTGGAAATCTTTGACATGCTCCTGGCAACTACTTCAAGGTTTCGAGAGTTAAAACTCCAA 1272
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Qy       1273 CACAAAGAATATCTCTGTGTCAAGGCCATGATCCTGCTCAATTCCAGTATGTACCCTCTG 1332
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Qy       1333 GTCACAGCGACCCAGGATGCTGACAGCAGCCGGAAGCTGGCTCACTTGCTGAACGCCGTG 1392
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1081 GTCACAGCGACCCAGGATGCTGACAGCAGCCGGAAGCTGGCTCACTTGCTGAACGCCGTG 1140

Qy       1393 ACCGATGCTTTGGTTTGGGTGATTGCCAAGAGCGGCATCTCCTCCCAGCAGCAATCCATG 1452
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1141 ACCGATGCTTTGGTTTGGGTGATTGCCAAGAGCGGCATCTCCTCCCAGCAGCAATCCATG 1200

Qy       1453 CGCCTGGCTAACCTCCTGATGCTCCTGTCCCACGTCAGGCATGCGAG 1499
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Db       1201 CGCCTGGCTAACCTCCTGATGCTCCTGTCCCACGTCAGGCATGCGAG 1247
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RESULT 14
US-09-711-288-20
; Sequence 20, Application US/09711288
; Patent No. 6713270
; GENERAL INFORMATION:
; APPLICANT: Mosselman, Sietse
; APPLICANT: Dijkema, Rein
; TITLE OF INVENTION: No. 6713270el Estrogen Receptor
; FILE REFERENCE: O/96193 US/D2
; CURRENT APPLICATION NUMBER: US/09/711,288
; CURRENT FILING DATE: 2000-11-13
; PRIOR APPLICATION NUMBER: US 08/826,361
; PRIOR FILING DATE: 1997-03-26
; PRIOR APPLICATION NUMBER: EP 96203284.3
; PRIOR FILING DATE: 1996-11-22
; PRIOR APPLICATION NUMBER: EP 96200820.7
; PRIOR FILING DATE: 1996-03-26
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 20
; LENGTH: 1257
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-711-288-20

Query Match 74.0%; Score 1247; DB 4; Length 1257;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1247; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy        253 ATGAATTACAGCATTCCCAGCAATGTCACTAACTTGGAAGGTGGGCCTGGTCGGCAGACC 312
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Db          1 ATGAATTACAGCATTCCCAGCAATGTCACTAACTTGGAAGGTGGGCCTGGTCGGCAGACC 60

Qy        313 ACAAGCCCAAATGTGTTGTGGCCAACACCTGGGCACCTTTCTCCTTTAGTGGTCCATCGC 372
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Db         61 ACAAGCCCAAATGTGTTGTGGCCAACACCTGGGCACCTTTCTCCTTTAGTGGTCCATCGC 120

Qy        373 CAGTTATCACATCTGTATGCGGAACCTCAAAAGAGTCCCTGGTGTGAAGCAAGATCGCTA 432
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CAGTTATCACATCTGTATGCGGAACCTCAAAAGAGTCCCTGGTGTGAAGCAAGATCGCTA 180

Qy        433 GAACACACCTTACCTGTAAACAGAGAGACACTGAAAAGGAAGGTTAGTGGGAACCGTTGC 492
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Db        181 GAACACACCTTACCTGTAAACAGAGAGACACTGAAAAGGAAGGTTAGTGGGAACCGTTGC 240

Qy        493 GCCAGCCCTGTTACTGGTCCAGGTTCAAAGAGGGATGCTCACTTCTGCGCTGTCTGCAGC 552
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Qy        553 GATTACGCATCGGGATATCACTATGGAGTCTGGTCGTGTGAAGGATGTAAGGCCTTTTTT 612
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Qy        613 AAAAGAAGCATTCAAGGACATAATGATTATATTTGTCCAGCTACAAATCAGTGTACAATC 672
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Db        361 AAAAGAAGCATTCAAGGACATAATGATTATATTTGTCCAGCTACAAATCAGTGTACAATC 420

Qy        673 GATAAAAACCGGCGCAAGAGCTGCCAGGCCTGCCGACTTCGGAAGTGTTACGAAGTGGGA 732
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Qy        733 ATGGTGAAGTGTGGCTCCCGGAGAGAGAGATGTGGGTACCGCCTTGTGCGGAGACAGAGA 792
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        481 ATGGTGAAGTGTGGCTCCCGGAGAGAGAGATGTGGGTACCGCCTTGTGCGGAGACAGAGA 540

Qy        793 AGTGCCGACGAGCAGCTGCACTGTGCCGGCAAGGCCAAGAGAAGTGGCGGCCACGCGCCC 852
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Db        601 CGAGTGCGGGAGCTGCTGCTGGACGCCCTGAGCCCCGAGCAGCTAGTGCTCACCCTCCTG 660

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Qy        973 ATGATGATGTCCCTGACCAAGTTGGCCGACAAGGAGTTGGTACACATGATCAGCTGGGCC 1032
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Qy       1033 AAGAAGATTCCCGGCTTTGTGGAGCTCAGCCTGTTCGACCAAGTGCGGCTCTTGGAGAGC 1092
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Db        781 AAGAAGATTCCCGGCTTTGTGGAGCTCAGCCTGTTCGACCAAGTGCGGCTCTTGGAGAGC 840

Qy       1093 TGTTGGATGGAGGTGTTAATGATGGGGCTGATGTGGCGCTCAATTGACCACCCCGGCAAG 1152
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Db        841 TGTTGGATGGAGGTGTTAATGATGGGGCTGATGTGGCGCTCAATTGACCACCCCGGCAAG 900

Qy       1153 CTCATCTTTGCTCCAGATCTTGTTCTGGACAGGGATGAGGGGAAATGCGTAGAAGGAATT 1212
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Db        901 CTCATCTTTGCTCCAGATCTTGTTCTGGACAGGGATGAGGGGAAATGCGTAGAAGGAATT 960

Qy       1213 CTGGAAATCTTTGACATGCTCCTGGCAACTACTTCAAGGTTTCGAGAGTTAAAACTCCAA 1272
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Qy       1393 ACCGATGCTTTGGTTTGGGTGATTGCCAAGAGCGGCATCTCCTCCCAGCAGCAATCCATG 1452
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Db       1201 CGCCTGGCTAACCTCCTGATGCTCCTGTCCCACGTCAGGCATGCGAG 1247


RESULT 15
US-08-836-620A-1
; Sequence 1, Application US/08836620A
; Patent No. 5958710
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  Orphan receptor
;    NUMBER OF SEQUENCES:  19
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/836,620A
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/EP96/03933
;      FILING DATE:
;      APPLICATION NUMBER:  GB 9518272.1
;      FILING DATE:  08-SEP-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9605550.4
;      FILING DATE:  15-MAR-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9607532.0
;      FILING DATE:  11-APR-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9609576.5
;      FILING DATE:  08-MAY-1996
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2568 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    ORIGINAL SOURCE:
;      ORGANISM:  Rattus rattus
US-08-836-620A-1

  Query Match             73.2%;  Score 1233.6;  DB 2;  Length 2568;
  Best Local Similarity   84.8%;  Pred. No. 0;
  Matches 1419;  Conservative    0;  Mismatches  249;  Indels    6;  Gaps    3;

Qy         16 CCCACGAATCTTTGAGAACATTATAATGACCTTTGTGCCTCTTCTTGCAAGGTGTTTTCT 75
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Db        211 CCCATGAGTCTCTGAGAACATAAT--GTCCATCTGTACCTCTTCTCACAAGGAGTTTTCT 268

Qy         76 CAGCTGCTA---TCTCAAGACATGGATATAAAAAACTCACCATCTAGCCTTAATTCTCCT 132
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Db        269 CAGCTGCGACCCTCTGAAGACATGGAGATCAAAAACTCACCGTCGAGCCTTAGTTC-CCT 327

Qy        133 TCCTCCTACAACTGCAGTCAATCCATCTTACCCCTGGAGCACGGCTCCATATACATACCT 192
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Db        328 GCTTCCTATAACTGTAGCCAGTCCATCCTACCCCTGGAGCACGGCCCCATCTACATCCCT 387

Qy        193 TCCTCCTATGTAGACAGCCACCATGAATATCCAGCCATGACATTCTATAGCCCTGCTGTG 252
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Qy        253 ATGAATTACAGCATTCCCAGCAATGTCACTAACTTGGAAGGTGGGCCTGGTCGGCAGACC 312
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Db        448 ATGAACTACAGTGTTCCCGGCAGCACCAGTAACCTGGACGGTGGGCCTGTCCGACTGAGC 507

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Qy        373 CAGTTATCACATCTGTATGCGGAACCTCAAAAGAGTCCCTGGTGTGAAGCAAGATCGCTA 432
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Qy        433 GAACACACCTTACCTGTAAACAGAGAGACACTGAAAAGGAAGGTTAGTGGGAACCGTTGC 492
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Qy        493 GCCAGCCCTGTTACTGGTCCAGGTTCAAAGAGGGATGCTCACTTCTGCGCTGTCTGCAGC 552
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Qy        553 GATTACGCATCGGGATATCACTATGGAGTCTGGTCGTGTGAAGGATGTAAGGCCTTTTTT 612
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Db        748 GATTATGCATCTGGGTATCATTACGGCGTTTGGTCATGTGAAGGATGTAAGGCCTTTTTT 807

Qy        613 AAAAGAAGCATTCAAGGACATAATGATTATATTTGTCCAGCTACAAATCAGTGTACAATC 672
              |||||||||||||||||||||||||||||||| |||||||| || ||||||||||| ||
Db        808 AAAAGAAGCATTCAAGGACATAATGATTATATCTGTCCAGCCACGAATCAGTGTACCATA 867

Qy        673 GATAAAAACCGGCGCAAGAGCTGCCAGGCCTGCCGACTTCGGAAGTGTTACGAAGTGGGA 732
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Db        868 GACAAGAACCGGCGTAAAAGCTGCCAGGCCTGCCGACTTCGCAAGTGTTATGAAGTAGGA 927

Qy        733 ATGGTGAAGTGTGGCTCCCGGAGAGAGAGATGTGGGTACCGCCTTGTGCGGAGACAGAGA 792
              ||||| |||||||| ||| |||||||  | ||||||||||  | |||||||| ||||||
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Qy        793 AGTGCCGACGAGCAGCTGCACTGTGCCGGCAAGGCCAAGAGAAGTGGCGGCCACGCGCCC 852
              ||| |   ||||||| | |||||      |||| |||||||||| || || || || |||
Db        988 AGTTCTAGCGAGCAGGTACACTGCCTGAGCAAAGCCAAGAGAAACGGTGGGCATGCACCC 1047

Qy        853 CGAGTGCGGGAGCTGCTGCTGGACGCCCTGAGCCCCGAGCAGCTAGTGCTCACCCTCCTG 912
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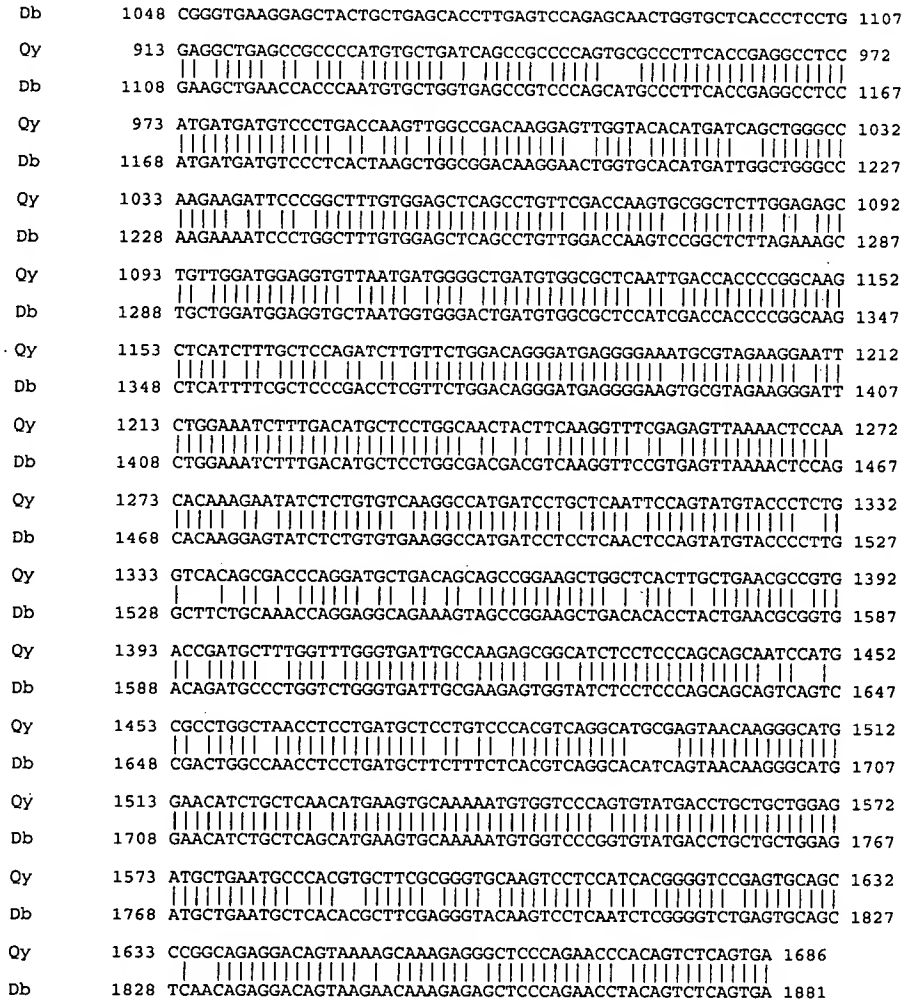

Search completed: March 10, 2005, 01:11:58
Job time : 360 secs